

Handy Flo 410/411, DF 410/411, XB6, and LXB6

Safety Data Sheet

1. Product and Company Identification

Supplier and Manufacturer

Lucas-Milhaupt, Inc.
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Emergency Phone Number

Chemtrec: 800-424-9300

SDS Number: 262

Product Code: 83-410 (Handy Flo 410), 83-411 (Handy Flo 411), 83-900

Product Use(s): Binders for metal brazing

2. Hazards Identification

Classification(s): none

Label Symbol(s): none

Label Signal Word(s): none

Label Hazard Statement(s): none

Label Precautionary Statement(s): none

3. Composition/Information on Ingredients

The product contains no chemicals at concentrations exceeding their respective cut-off values/concentration limits for the classifications of Health Hazards or Physical Hazards defined in 29CFR, Part 1910.1200.

4. First Aid Measures

Eyes

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

Skin

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

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

Inhalation

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

The product contains no ingredients that are acutely toxic by ingestion. No components are absorbed through the skin, although prolonged contact may cause irritation.

5. Fire Fighting Measures

Extinguishing Media

Not applicable.

Fire and Explosion Hazards

This product is non-flammable and non-explosive. If it is present in a fire or explosion, however, potential decomposition byproducts may include carbon monoxide, smoke, and irritant gases.

Fire Fighting Instructions

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

Methods and Materials

Isolate spilled product and transfer to impervious containers.

Personal Precautions

Avoid contact with skin, eyes, and mucous membranes.

Environmental Precautions

Prevent spills from entering sewers or contaminating soil.

7. Handling and Storage

Handling Precautions

No special precautions are required.

Work and Hygiene Practices

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

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

8. Exposure Controls and Personal Protection

Ingredients - Exposure Limits

None applicable.

Ingredients - Biological Limits

None applicable.

Engineering Controls

Not needed for the prescribed manner of use.

Eye/Face Protection

Wear eye protection adequate to prevent eye contact with the product and 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

Wear 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

Not needed for the prescribed manner of use. If respiratory protection is desired as an optional method of protection, consult American National Standard Z88.2 (ANSI, New York, NY 10036, USA).

9. Physical and Chemical Properties

Appearance: clear liquid

Odor: none

Odor threshold: not applicable

pH: not determined

Melting point: not applicable

Freezing point: not determined

Boiling point/boiling range: approx. 212F./100C.

Flash Point: not applicable

Evaporation Rate: not determined

Flammability Class: not applicable

Lower Explosive Limit: not applicable

Upper Explosive Limit: not applicable

Vapor pressure: not determined

Vapor density: not determined

Relative density (H₂O): approx. 1.0

Solubility (H₂O): soluble

Oil-water partition coefficient: not determined

Autoignition Point: not applicable

Decomposition temperature: not determined

Viscosity: not determined

10. Stability and Reactivity

Reactivity: none reasonably foreseeable
Stability: stable
Hazardous Polymerization: will not occur
Possible Hazardous Reactions: none reasonably foreseeable

Incompatible Materials

Strong acids; strong oxidizing agents.

Hazardous Decomposition Products

None foreseeable.

11. Toxicological Information

This product has not been subject to toxicological testing by the supplier/
manufacturer.

Ingredients - Toxicological Data

Not applicable.

Primary Routes(s) of Entry

Ingestion; inhalation.

Eye Hazards

This product can cause eye irritation.

Skin Hazards

This product can produce dermal irritation.

Ingestion Hazards

Ingestion may cause mild 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

None known.

Delayed Effects from Long Term Overexposure

None known.

Carcinogenicity

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

Germ Cell Mutagenicity

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

Reproductive Effects

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

Acute Toxicity Estimates

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

Interactive Effects of Components: no data available

12. Ecological Information

No ecological data is available for the product or its components.

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

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

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

15. Regulatory Information

United States Regulatory Information

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

SARA Hazard Classes: Acute Health Hazard

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

Canadian Regulatory Information

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 for Product (Legend)

Health - 0 (minimal hazard)

Flammability - 0 (minimal 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 for Product

Health - 0 Flammability - 0 Reactivity - 0

Preparation Information

Date of Preparation: 25 June 2014
Date of Prior SDS: 19 February 2009

Disclaimer

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Lucas-Milhaupt, Inc.