

Safety Data Sheet

according to the NOM-018-STPS-2015

Revision date: 05/04/2017 Date of issue: 05/04/2017 Supersedes: 05/04/2017 Version: 1.3

SECTION 1: Identification of the hazardous chemical or mixture and of the supplier or manufacturer

1.1. GHS product identifier

Product form : Mixture

Product name : Handy Flux Type D
Product code : A00001126

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Flux for metal brazing

Recommended uses and restrictions : Industrial use resulting in manufacture of another substance (use of intermediates)

Recommended use : Flux for metal brazing

1.4. Supplier's details

Lucas-Milhaupt, Inc. 5656 South Pennsylvania Ave. 53110 Cudahy - USA T (414)-769-6000

LM_SDS@lucasmilhaupt.com - www.Lucasmilhaupt.com

1.5. Emergency phone number

Emergency number : CHEMTREC within the USA and Canada: 1-800-424-9300

CHEMTREC outside the USA and Canada +1 701-741-5970

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-MX classification

Acute Tox. 4 (Oral) H302

Full text of hazard classes and H-statements : see section 16

2.2. Label elements

GHS-MX labelling

Hazard pictograms (GHS-MX)



GHS07

Signal word (GHS-MX) : Warning

Hazard statements (GHS-MX) : H302 - Harmful if swallowed.

Precautionary statements (GHS-MX) : P264 - Wash hands, forearms and face thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P330 - Rinse mouth.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation

2.3. Other hazards which do not result in classification

Adverse physicochemical, human health and : Harmful i

environmental effects

: Harmful if swallowed, Causes severe skin burns and eye damage.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-MX classification
Potassium fluoride (K(HF2))	(CAS-No.) 7789-29-9	30 - 40	Acute Tox. 3 (Oral), H301 Skin Corr. 1A, H314
Boron potassium oxide (B5KO8), tetrahydrate	(CAS-No.) 12229-13-9	30 - 40	Not classified
Xanthan gum	(CAS-No.) 11138-66-2	0 - 0.5	Not classified

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Name	Product identifier	%	GHS-MX classification
Octylphenol ethoxylate	(CAS-No.) 9036-19-5	0 - 0.2	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319

SECTION 4: First aid measures

4.1. Description of necessary first aid measures

First-aid measures general : Call a physician immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a

doctor if you feel unwell.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician

immediately.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : Burns.

Symptoms/effects after eye contact : Serious damage to eyes.

Symptoms/effects after ingestion : Burns.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

Unsuitable extinguishing media : Water.

5.2. Specific hazards arising from the chemical

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

5.3. Special protective actions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

SECTION 6: Measures to be taken in case of accidental spillage or accidental leakage

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe

dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Use only outdoors or in a well-ventilated area.

Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear

personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Store locked up. Store in a well-ventilated place. Keep cool.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Protective gloves
Eye protection : Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Colour : Colourless.
Odour : Odourless.
Odour threshold : No data available

: No data available Relative evaporation rate (butylacetate=1) No data available Melting point : No data available Freezing point : Not applicable **Boiling point** No data available : Not applicable Flash point Flammability (solid, gas) : Non flammable. Auto-ignition temperature : Not applicable Decomposition temperature No data available : No data available Vapour pressure Relative vapour density at 20 °C : No data available Relative density : Not applicable Solubility No data available

Log Pow : No data available
Log Kow : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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11.1. Information on toxicological effects

Acute toxicity (oral) : Oral: Harmful if swallowed.

Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

ATE MX (oral) 481.928 mg/kg bodyweight

Potassium fluoride (K(HF2)) (7789-29-9)

LD50 oral rat 160 mg/kg

ATE MX (oral) 160 mg/kg bodyweight

Octylphenol ethoxylate (9036-19-5)

LD50 oral rat 1700 mg/kg
ATE MX (oral) 1700 mg/kg bodyweight

 Skin corrosion/irritation
 : Not classified

 Serious eye damage/irritation
 : Not classified

 Respiratory or skin sensitisation
 : Not classified

 Germ cell mutagenicity
 : Not classified

 Carcinogenicity
 : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified STOT-repeated exposure : Not classified Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

Acute aquatic toxicity : Not classified Chronic aquatic toxicity : Not classified

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with NOM / UNRTDG / IMDG / IATA

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (NOM/SCT) : Not applicable
Proper Shipping Name (UN RTDG) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class(es)

NOM

Transport hazard class(es) (NOM) : Not applicable

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UN RTDG

Transport hazard class(es) (UN RTDG) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (NOM/SCT) : Not applicable
Packing group (UN RTDG) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

- NOM

No data available

- UN RTDG

No data available

- IMDG

No data available

_ IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

Potassium fluoride (K(HF2)) (7789-29-9)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Japanese Pollutant Release and Transfer Register Law (PRTR Law)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory).

Octylphenol ethoxylate (9036-19-5)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Japanese Pollutant Release and Transfer Register Law (PRTR Law)

Listed on the Canadian IDL (Ingredient Disclosure List)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

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Xanthan gum (11138-66-2)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on Turkish inventory of chemical

Listed on the TCSI (Taiwan Chemical Substance Inventory).

Boron potassium oxide (B5KO8), tetrahydrate (12229-13-9)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the TCSI (Taiwan Chemical Substance Inventory).

SECTION 16: Other information including those related to the preparation and updating of safety data sheets

 SDS Major/Minor
 : None

 Date of issue
 : 05/04/2017

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 : 05/04/2017

Full text of H-statements:

Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A	
Skin Corr. 1A	Skin corrosion/irritation, Category 1A	
H301	Toxic if swallowed.	
H302	Harmful if swallowed.	
H314	Causes severe skin burns and eye damage.	
H319 Causes serious eye irritation.		

SDS Mexico

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