

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 01/10/2018 Version: 2.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Trade name : X1166A Dry Flux

Product code : A00000914

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

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

LM_SDSinfo@lucasmilhaupt.com - www.Lucasmilhaupt.com

1.4. Emergency telephone 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: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Acute toxicity (oral), H302

Category 4

Reproductive toxicity, H361 Suspected of damaging fertility or the unborn child.

Category 2

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US)





Harmful if swallowed.

Signal word (GHS US) : Warning

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

H361 - Suspected of damaging fertility or the unborn child.

Precautionary statements (GHS US) : P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P264 - Wash hands, forearms and face thoroughly after handling.

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

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312 - If swallowed: Call a poison center/doctor if you feel unwell P308+P313 - If exposed or concerned: Get medical advice/attention.

P330 - Rinse mouth. P405 - Store locked up.

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

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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Name	Product identifier	%
Potassium fluoride (K(HF2))	(CAS-No.) 7789-29-9	25 - 35
Carbonic acid, dipotassium salt	(CAS-No.) 584-08-7	2 - 6

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

SECTION 4: First-aid measures

4.1. Description of 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.

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 and effects (acute and delayed)

Symptoms/effects after skin contact : Burns.

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

Symptoms/effects after ingestion : Burns.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Dry powder. Water spray. 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 equipment and precautions 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: Accidental release measures

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. Notify authorities if product enters sewers or public waters.

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

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not

handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe

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

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Hygiene measures

: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

Not applicable

Carbonic acid, dipotassium salt (584-08-7)

Not applicable

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/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Explosive limits

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

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

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: Not applicable

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: No data available Explosive properties Oxidising properties : No data available

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.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

Conditions to avoid

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

10.5. Incompatible materials

No additional information available

Hazardous decomposition products

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

SECTION 11: Toxicological information

Information on toxicological effects 11.1.

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

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

ATE US (oral) 541.896 mg/kg bodyweight

Potassium fluoride (K(HF2)) (7789-29-9)	
LD50 oral rat	160 mg/kg
ATE US (oral)	160 mg/kg bodyweight

Carbonic acid, dipotassium salt (584-08-7)		
	LD50 oral rat	1870 mg/kg
	ATE US (oral)	1870 ma/ka bodyweiaht

Skin corrosion/irritation : Not classified Serious eye damage/irritation : Not classified Respiratory or skin sensitisation : Not classified Germ cell mutagenicity Not classified : Not classified Carcinogenicity

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

: Not classified Aspiration hazard Viscosity, kinematic : No data available

Symptoms/effects after skin contact : Burns.

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

Symptoms/effects after ingestion : Burns.

SECTION 12: Ecological information

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Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Before neutralisation, the product may represent a danger to aquatic

organisms.

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Carbonic acid	dinotaccium	salt (584-08-7)
Carponic acid.	. aipotassium	Sait (204-00-7)

EC50 Daphnia 1 630 mg/l (Exposure time: 48 h - Species: Ceriodaphnia dubia)

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

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods

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

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

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

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

Carbonic acid, dipotassium salt (584-08-7)

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

15.2. International regulations

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

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Carbonic acid, dipotassium salt (584-08-7)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

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Component	State or local regulations
Potassium fluoride (K(HF2))(7789-29-9)	U.S New Jersey - Right to Know Hazardous Substance List
Carbonic acid, dipotassium salt(584-08-7)	

SECTION 16: Other information

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Full text of H-statements:

H302	Harmful if swallowed.
H361	Suspected of damaging fertility or the unborn child.

SDS US (GHS HazCom 2012)

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