Product number: 192017



### MATERIAL SAFETY DATA SHEET

# 1. Product and Company Identification

Material name FORMULA 815 MX SC

Product number 192017

**Company information** Brulin & Company, Inc.

P.O. Box 270

Indianapolis, IN 46206 US

www.Brulin.com

Emergency CHEMTREC 1-800-424-9300

General information Phone: 317-923-3211

Fax: 317-925-4596

#### 2. Hazards Identification

**Emergency overview** Contact with this material can cause irritation to the skin, eyes and mucous membranes. May

cause long-term adverse effects in the aquatic environment. This product is not considered to be

a carcinogen by IARC, ACGIH, NTP, or OSHA.

Potential health effects

Eyes This product may cause irritation to the eyes.

Skin Prolonged skin contact may cause skin irritation.

**Inhalation** Prolonged or excessive inhalation may cause respiratory tract irritation.

**Ingestion** May cause temporary irritation of the throat, stomach, and gastrointestinal tract.

## 3. Composition / Information on Ingredients

Components	CAS#	Percent
Ethanolamine	141-43-5	< 5
Phosphoric acid	7664-38-2	< 2.5
Potassium hydroxide	1310-58-3	< 2.5
Non-hazardous and other components below reportable levels		< > 90

### 4. First Aid Measures

First aid procedures

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get

medical attention immediately.

Skin contact Wash with soap and water. Launder contaminated clothing before reuse. Get medical attention if

irritation develops or persists.

**Ingestion** Do not induce vomiting. If conscious, drink plenty of water. If symptoms persist, get medical

attention.

**Inhalation** Remove to fresh air. If symptoms persist, get medical attention.

Notes to physician Symptoms may be delayed.

General advice Immediate medical attention is required. In the case of accident or if you feel unwell, seek medical

advice immediately (show the label where possible).

# 5. Fire Fighting Measures

Flammable properties None known.

**Extinguishing media** 

**Suitable extinguishing** Use any media suitable for the surrounding fires.

media

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### 6. Accidental Release Measures

Do not touch or walk through spilled material. Do not touch damaged containers or spilled Personal precautions

material unless wearing appropriate protective clothing. Keep people away from and upwind of

spill/leak.

Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Methods for containment

Prevent entry into waterways, sewers, basements or confined areas.

Never return spills in original containers for re-use. Absorb with earth, sand or other Methods for cleaning up

non-combustible material and transfer to containers for later disposal. Clean contaminated

surface thoroughly.

## 7. Handling and Storage

Handling Do not get this material in your eyes, on your skin, or on your clothing. Do not breathe

gas/fumes/vapor/spray. Avoid contact with skin and eyes.

Keep container tightly closed. Keep out of the reach of children. Keep from freezing. Storage

# 8. Exposure Controls / Personal Protection

Personal protective equipment

Wear chemical goggles. or Safety glasses. or Face-shield. Eye / face protection

Wear appropriate chemical resistant gloves. Skin protection

Not normally needed. If ventilation is not sufficient to effectively prevent buildup of aerosols or Respiratory protection

mists, appropriate NIOSH/MSHA respiratory protection must be provided.

General hygeine considerations

Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical & Chemical Properties

clear liquid **Appearance** Color blue green Odor citrus

Not available. **Odor threshold** 

**Form** liauid 12 - 12.5 pН

Freezing point 109.4 °F (42.5 °C) estimated

Not available. **Boiling point** 

> 212 °F (> 100 °C) Pensky-Martens Closed Cup Flash point

**Evaporation rate** Not available. Flammability limits in air, Not available.

upper, % by volume

Flammability limits in air,

lower, % by volume

Not available.

Not available. Vapor density

Specific gravity 1.151

Solubility (water) Not available. 3.717 % estimated VOC

# 10. Chemical Stability & Reactivity Information

Chemical stability Stable at normal conditions.

Conditions to avoid Do not freeze.

Incompatible materials Strong oxidizing agents, and acids

Hazardous decomposition Carbon dioxide, carbon monoxide, oxides of sulfur and nitrogen.

products

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Possibility of hazardous

reactions

Will not occur.

# 11. Toxicological Information

Acute effects Acute LD50: 7748 mg/kg, Rat, Oral

Acute LD50: 45470 mg/kg, Rat, Dermal

Causes burns.

**Chronic effects**Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood.

Prolonged exposure may cause chronic effects.

**Further information** Symptoms may be delayed.

# 12. Ecological Information

Not available.

## 13. Disposal Considerations

**Disposal instructions** Dispose in accordance with all applicable regulations. This product, in its present state, when

discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). 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.

# 14. Transport Information

DOT

Not regulated as hazardous goods.

IATA

Not regulated as hazardous goods.

**IMDG** 

Not regulated as hazardous goods.

**ICAO** 

Not regulated as hazardous goods.

# 15. Regulatory Information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

#### **CERCLA (Superfund) reportable quantity**

Phosphoric acid: 5000.0000 Potassium hydroxide: 1000.0000

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

Section 302 extremely hazardous substance

No

Section 311 hazardous

Yes

chemical

**Inventory status** 

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes

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Country(s) or region Inventory name On inventory (yes/no)\*

Korea Existing Chemicals List (ECL)

Yes

 Yes

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Yes

Philippines Philippine Inventory of Chemicals and Chemical Substances (PICCS)

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United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

ountry(s)

State regulations

WARNING: This product contains a chemical known to the State of California to cause cancer.

#### US - Pennsylvania RTK - Hazardous Substances: Listed substance

Ethanolamine (141-43-5)

Phosphoric acid (7664-38-2)

Potassium hydroxide (1310-58-3)

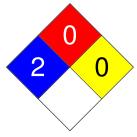
Listed.

### 16. Other Information

#### HMIS rating



### NFPA codes



#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.

This data sheet contains changes from the previous version in section(s):

Regulatory Information: United States

**Issue date** 09-26-2013

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