

FORMULA 715N

Product number: 303051



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name FORMULA 715N
Product number 303051
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 This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Potential health effects
Eyes Causes severe eye burns.
Skin Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis. May be absorbed through the skin in harmful amounts.
Inhalation Inhalation of high vapour concentrations can cause CNS-depression and narcosis.
Ingestion Harmful: may cause lung damage if swallowed.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Naphtha (petroleum), heavy aromatic	64742-94-5	< 40
2-Butoxyethanol	111-76-2	< 20
Ethanolamine	141-43-5	< 2.5
Non-hazardous and other components below reportable levels		< > 40

4. First Aid Measures

First aid procedures
Eye contact Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention immediately.
Skin contact Wash with soap and water. Launder contaminated clothing before reuse.
Ingestion Do not induce vomiting. Give several glasses of water to dilute contents of stomach and call a physician.
Inhalation Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately.
General advice 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 Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition.
Extinguishing media
Suitable extinguishing media Dry chemical, CO2, water spray or regular foam.

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Protection of firefighters

Protective equipment and precautions for firefighters

In the event of fire, wear self contained breathing apparatus. Cool containers with flooding quantities of water until well after fire is out.

Hazardous combustion products

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

6. Accidental Release Measures

Personal precautions

Ensure adequate ventilation. Avoid inhalation of vapor, fumes, dust and/or mist from the spilled material.

Methods for containment

Remove sources of ignition. Stop source of leak if possible.

Methods for cleaning up

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

7. Handling and Storage

Handling

Do not breathe gas/fumes/vapor/spray.

Storage

Keep in a well-ventilated place. Keep at temperatures between 4 and 49??C.

8. Exposure Controls / Personal Protection

Engineering controls

Use general ventilation.

Personal protective equipment

Eye / face protection

Wear chemical goggles.

Skin protection

Wear appropriate chemical resistant gloves.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. Keep away from food and drink. When using do not smoke. Wash hands before breaks and immediately after handling the product.

9. Physical & Chemical Properties

Appearance

clear liquid

Color

green

Odor

solvent

Odor threshold

Not available.

Form

Liquid.

pH

13.5

Freezing point

Not available.

Boiling point

212 °F (100 °C)

Flash point

152 °F (66.7 °C) Pensky-Martens Closed Cup

Evaporation rate

1 (water = 1)

Flammability limits in air, upper, % by volume

Not available.

Flammability limits in air, lower, % by volume

Not available.

Vapor density

4 approximately

Specific gravity

0.975

Solubility (water)

100 %

VOC

52.68 %

10. Chemical Stability & Reactivity Information

Chemical stability

Stable, however, may decompose if heated.

Conditions to avoid

Do not freeze.

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Incompatible materials Strong oxidizing agents.
Possibility of hazardous reactions Will not occur.

11. Toxicological Information

Acute effects Acute LD50: 3111 mg/kg, Rat, Oral
Acute LC50: 1496 mg/l/4h, Rat, Inhalation
Causes severe burns.

Local effects Harmful by inhalation, in contact with skin and if swallowed. Irritating to respiratory system. Blood disorder may occur after ingestion.

Chronic effects Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Prolonged or repeated exposure may cause lung injury. Prolonged exposure may cause chronic effects.

Further information Symptoms may be delayed.

12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental concerns.

13. Disposal Considerations

Waste codes D002: Waste Corrosive material [pH <=2 or >=12.5, or corrosive to steel]

Disposal instructions Dispose in accordance with all applicable regulations. This material and its container must be disposed of as hazardous waste.

Contaminated packaging Triple rinse containers. Can be offered for recycling, re-conditioning or puncture.

14. Transport Information

DOT

Basic shipping requirements:

Proper shipping name Ethanolamine solution
Hazard class 8
UN number UN2491
Packing group III

Additional information:

Special provisions IB3, T4, TP1
Packaging exceptions 154
Packaging non bulk 203
Packaging bulk 241
ERG number 153

IATA

Basic shipping requirements:

Proper shipping name Ethanolamine solution
Hazard class 8
UN number 2491
Packing group III

Additional information:

Packaging instructions cargo only 820
Maximum net quantity packaging 5 L
Maximum net quantity packaging cargo only 60 L
ERG code 8L

IMDG

Basic shipping requirements:

Proper shipping name ETHANOLAMINE or ETHANOLAMINE SOLUTION
Hazard class 8

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UN number
Packing group

2491
III



DOT



IATA



IMDG

15. Regulatory Information

US federal regulations

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

CERCLA (Superfund) reportable quantity

2-Butoxyethanol: 1.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

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

Section 302 extremely hazardous substance

No

Section 311 hazardous chemical

Yes

State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

2-Butoxyethanol (111-76-2)

Listed.

Ethanolamine (141-43-5)

Listed.

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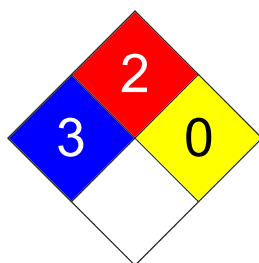
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16. Other Information

HMIS rating

Health	*	3
Flammability		2
Physical Hazard		0
Personal Protection		B

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):

Hazards Identification: Emergency overview
Transport Information: Product Shipping Name/Packing Group

Issue date

06-03-2011