

Safety Data Sheet



Fuller Commercial Products
One Fuller Way
Great Bend, KS 67530
(800) 810-4829
CHEMTREC (800) 424-9300

Section 1. Chemical Product and Company Identification

Product Name	Purity
Product Use	Detergent
Product Code	881
Date of Issue	3/12/2018
Supersedes	8/17/2016

Section 2. Hazards Identification

Emergency Overview

WARNING



Health Hazards

Skin Corrosion/Irritation
Serious eye damage/ eye irritation

Category 2
Category 2B

Precautionary Statements:

P264	Wash hands thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313	IF SKIN irritation occurs: Get medical advice/attention.
P337+P313	IF eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.

Hazard Statements:

H315 Causes skin irritation
H319 Causes serious eye irritation

Routes of Entry **Dermal, Oral, and Inhalation**

Acute Effects:

Eyes	May cause irritation.
Skin	May cause skin irritation.
Inhalation	May cause irritation to the respiratory system.
Ingestion	May cause irritation and gastrointestinal damage.

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients

2-butoxyethanol
Nonylphenol Ethoxylate

CAS Number

111-76-2
9016-45-9

% by Weight

1-5
<10

Section 4. First Aid Measures

- Eye Contact** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids apart to ensure flushing of entire surface. Do not rub eyes. Seek medical attention immediately.
- Skin Contact** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing before reuse. Discard contaminated shoes and leather articles. Seek medical attention.
- Inhalation** Remove person to fresh air. If breathing has stopped, administer artificial respiration preferably mouth to mouth. If breathing is difficult, give oxygen. Seek medical attention.
- Ingestion** Immediately call a physician or Poison Control Center. Do not induce vomiting. Rinse mouth with water. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit. Do not give anything by mouth to an unconscious or convulsing person.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A)
(estimated rating)



- Hazardous Combustion Products** None
- Extinguishing Media** Use water spray, dry chemical, water fog, regular foam or carbon dioxide to extinguish flames. Use water spray to cool fire-exposed containers. Water or foam may cause frothing.
- Unsuitable Extinguishing Media** None
- Fire Fighting Procedures** Wear protective clothing and self-contained breathing apparatus with full-face shield. Toxic levels of carbon monoxide, carbon dioxide and irritating amines. Irritating amines may be generated in the presence of an excess of heat. Toxic fumes may be released.

Section 6. Accidental Release Measures

- Spill Clean Up** All spilled material must be contained and kept out of waterways, sewers and drains. The spilled chemicals should be absorbed with an inert material. Flush cleaned area thoroughly with water.

Section 7. Handling and Storage

- Handling and Storage** Have eyewash accessible to use in handling area. Keep containers tightly closed when not in use. Store away from acids. KEEP OUT OF THE REACH OF CHILDREN.

Section 8. Exposure Controls/Personal Protection

Exposure Limits

Product Name	OSHA PEL	NIOSH REL	AIHA WEEL	ACGIH TLV
2-butoxyethanol (111-76-2)	50 ppm	5 ppm	N/A	20 ppm

- Engineering Controls** Not required under normal use.

Personal Protective Equipment (PPE)

- Eyes** Not required under normal use.
- Body** Not required under normal use.
- Respiratory** Not required under normal use.

Section 9. Physical and Chemical Properties

Physical State	Liquid	Explosive Limits	Not determined
Color	Dark Blue	Vapor Pressure	Not determined
Odor	Citrus	Vapor Density	>1
Odor Threshold	Not determined	Relative Density	Not determined
pH	9.5-10.5	Solubility	Complete
Freezing Point	Not determined	Partition Coefficient	Not determined
Boiling Point	212°F	Auto-Ignition Temp.	Not determined
Flash Point	>212°F	Decomposition Temp.	Not determined
Evaporation Rate	1	Viscosity	Not determined
Flammability	Not determined	Specific Gravity	1.025-1.1

Section 10. Stability and Reactivity

Stability and Reactivity	Stable
Incompatibility	Exposure to organic acids, amphoteric metals, which include aluminum, copper and zinc. Exposure to some metals can generate explosive hydrogen gas.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	Carbon dioxide, carbon monoxide and ethylene oxide.
Conditions to Avoid	none

Section 11. Toxicological Information

Routes of Entry	Dermal, Oral, and Inhalation
Symptoms	May cause slight irritation
Skin Irritant	Yes
Eye Irritant	Yes
Sensitizers	Not determined
Mutagenicity	No information found
Carcinogenicity	2-butoxyethanol (111-76-2): IARC Group 3 (not classifiable as a human carcinogen)
Reproductive Toxicity	No information found
Target Organs	None

There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate using the additive formula (ATE) has been determined.

Acute Toxicity

Test	Results	Basis
Dermal	6,964 mg/kg	ATE determined beyond Category 4
Oral	5,938 mg/kg	ATE determined beyond Category 4
Inhalation	110 mg/l	ATE determined beyond Category 4

Section 12. Ecological Information

Environmental Effects No ecological data available

Section 13. Disposal Considerations

Waste Information Dispose of in accordance with all Federal, State and Local pollution control regulations.

Section 14. Transportation Information

Regulatory Information	UN number	Proper Shipping Name	Classes	Packaging Group	Label
DOT Classification	Not regulated				

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

Section 15. Regulatory Information

US Federal Regulations The following substances are listed as a toxic chemical and are subject to report under the SARA act Section 313:

2-butoxyethanol	111-76-2	1-5
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The following substances have CERCLA reportable quantity values (in pounds):

None

State Regulations None

Section 16. Other Information

Last Revision 3/12/2018

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.