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# SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

# 1. Identification

Product identifier: ALL PURPOSE CLEANER

Other means of identification

**SDS number:** RE1000044209

Recommended restrictions
Recommended use: Cleaner
Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information

Manufacturer

Company Name: CLAIRE MANUFACTURING COMPANY

Address: 1000 Integram Dr

Pacific, MO 63069

US

Telephone: 1-630-543-7600

Emergency telephone number: 1-866-836-8855

# 2. Hazard(s) identification

## **Hazard Classification**

**Physical Hazards** 

Gases under pressure Compressed gas

**Health Hazards** 

Serious Eye Damage/Eye Irritation Category 2A

## **Label Elements**

# **Hazard Symbol:**



Signal Word: Warning

**Hazard Statement:** Contains gas under pressure; may explode if heated.

Causes serious eye irritation.

Precautionary Statements

**Prevention:** Wash thoroughly after handling. Wear protective gloves/protective

clothing/eye protection/face protection.



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**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. If eye irritation

persists: Get medical advice/attention.

**Storage:** Protect from sunlight. Store in a well-ventilated place.

Hazard(s) not otherwise classified (HNOC):

None.

# 3. Composition/information on ingredients

#### **Mixtures**

Chemical Identity	CAS number	Content in percent (%)*
Ethanol, 2-butoxy-	111-76-2	1 - <5%
Alcohols, C9-11, ethoxylated	68439-46-3	1 - <3%
Butane	106-97-8	1 - <5%
Propane	74-98-6	0.1 - <1%

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The exact concentration has been withheld as a trade secret.

## 4. First-aid measures

## Description of necessary first-aid measures

**Inhalation:** Move to fresh air.

**Skin Contact:** Wash skin thoroughly with soap and water. If skin irritation occurs:

Get medical advice/attention.

**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy

to do, remove contact lenses. Get medical attention.

Ingestion: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

**Personal Protection for First-**

aid Responders:

Firefighters must use standard protective equipment including flame

retardant coat, helmet with face shield, gloves, rubber boots, and in

enclosed spaces, SCBA.

## Most important symptoms/effects, acute and delayed

**Symptoms:** No data available.

**Hazards:** No data available.

## Indication of immediate medical attention and special treatment needed

**Treatment:** Get medical attention if symptoms occur.

## 5. Fire-fighting measures

**General Fire Hazards:** Use water spray to keep fire-exposed containers cool. Fight fire from a

protected location. Stop flow of gas. Move containers from fire area if you

can do so without risk.



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#### Suitable (and unsuitable) extinguishing media

Suitable extinguishing

media:

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing

media:

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from

the chemical:

Pressurized container may explode when exposed to heat or flame.

Special protective equipment and precautions for firefighters

Special fire fighting

procedures:

No data available.

Special protective equipment

for fire-fighters:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in

enclosed spaces, SCBA.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: No data available.

Accidental release measures: Prevent entry into waterways, sewer, basements or confined areas. Stop

the flow of material, if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you

can do so without risk.

Methods and material for containment and cleaning

up:

Absorb spill with vermiculite or other inert material, then place in a container

for chemical waste.

**Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or

spillage if safe to do so.

## 7. Handling and storage

#### Handling

Technical measures (e.g. Local

and general ventilation):

No data available.

**Safe handling advice:** Avoid contact with eyes. Wash hands thoroughly after handling.

**Contact avoidance measures:** No data available.

Storage

**Safe storage conditions:** Pressurized container: protect from sunlight and do not expose to

temperatures exceeding 50°C. Do not pierce or burn, even after use. Store in a well-ventilated place. Store in a cool place. Protect from sunlight.

Aerosol Level 1

Safe packaging materials: No data available.

Storage Temperature: No data available.



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# 8. Exposure controls/personal protection

## **Control Parameters**

**Occupational Exposure Limits** 

Chemical Identity	Туре	Exposure Limit Values		Source  US. ACGIH Threshold Limit Values, as amended	
Ethanol, 2-butoxy-		20 ppm			
	REL	5 ppm	24 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as	
				amended	
	PEL	50 ppm 240 mg/m3		US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR	
				1910.1000), as amended	
	TWA	25 ppm	120 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended	
Butane	REL	800 ppm	1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as	
				amended	
	STEL	1,000 ppm		US. ACGIH Threshold Limit Values, as amended	
	TWA	800 ppm	1,900 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended	
Propane	REL	1,000 ppm	1,800 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as	
				amended	
	PEL	1,000 ppm	1,800 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR	
				1910.1000), as amended	
	TWA	1,000 ppm	1,800 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended	
Ammonium hydroxide ((NH4)(OH))	STEL	35 ppm	27 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended	
	STEL	35 ppm	27 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as	
				amended	
	REL	25 ppm	18 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as	
				amended	
	STEL	35 ppm		US. ACGIH Threshold Limit Values, as amended	
	TWA	25 ppm		US. ACGIH Threshold Limit Values, as amended	
	PEL	50 ppm	35 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR	
				1910.1000), as amended	
Sodium hydroxide (Na(OH))	Ceil_		2 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as	
	Time			amended	
	PEL		2 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR	
				1910.1000), as amended	
	Ceiling		2 mg/m3	US. ACGIH Threshold Limit Values, as amended	
	Ceiling		2 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended	

**Biological Limit Values** 

Chemical Identity	Exposure Limit Values	Source
Ethanol, 2-butoxy- (Butoxyacetic acid (BAA), with hydrolysis: Sampling time: End of shift.)	200 mg/g (Creatinine in urine)	ACGIH BEL

Appropriate Engineering Controls

No data available.

Individual protection measures, such as personal protective equipment

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

**Skin Protection** 

**Hand Protection:** No data available.

**Skin and Body Protection:** No data available.

Respiratory Protection: In case of inadequate ventilation use suitable respirator. Seek advice from

local supervisor.

**Hygiene measures:** Avoid contact with eyes. Observe good industrial hygiene practices.



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# 9. Physical and chemical properties

**Appearance** 

Physical state: liquid

Form: Spray Aerosol Color: No data available. Odor: No data available. Odor Threshold: No data available. pH: No data available. Freezing point: No data available. **Boiling Point:** No data available. **Flash Point:** Not applicable **Evaporation Rate:** No data available. Flammability (solid, gas): Non-flammable Aerosol

Explosive limit - upper (%):

Explosive limit - lower (%):

No data available.

No data available.

Vapor pressure: Estimated 2,757 - 4,136 hPa (20 °C)

Vapor density (air=1): No data available. **Density:** No data available. Relative density: No data available. Solubility in Water: No data available. Solubility (other): No data available. Partition coefficient (n-octanol/water): No data available. **Self Ignition Temperature:** No data available. **Decomposition Temperature:** No data available. Kinematic viscosity: No data available. Dynamic viscosity: No data available. **Explosive properties:** No data available. **Oxidizing properties:** No data available.

## 10. Stability and reactivity

**Reactivity:** No data available.

**Chemical Stability:** Material is stable under normal conditions.

Possibility of hazardous

reactions:

No data available.

**Conditions to avoid:** Avoid heat or contamination.

**Incompatible Materials:** No data available.

**Hazardous Decomposition** 

**Products:** 

No data available.

# 11. Toxicological information

## Information on likely routes of exposure

**Inhalation:** No data available.

**Skin Contact:** No data available.



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**Eye contact:** No data available.

**Ingestion:** No data available.

Symptoms related to the physical, chemical and toxicological characteristics

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

**Product:** ATEmix: 13,505 mg/kg

**Dermal** 

**Product:** ATEmix: 21,049.41 mg/kg

Inhalation

**Product:** ATEmix: 290.77 mg/l Vapour

ATEmix: 79.3 mg/l Dusts, mists and fumes

Repeated dose toxicity

**Product:** No data available.

**Components:** 

Ethanol, 2-butoxy- NOAEL (Rat(Female), Inhalation, 2 yr): < 31 ppm(m) Inhalation

Experimental result, Key study

NOAEL (Rat(Female), Oral, 90 d): < 82 mg/kg Oral Experimental result, Key

studv

NOAEL (Rabbit(Female, Male), Dermal, 90 d): > 150 mg/kg Dermal

Experimental result, Key study

Alcohols, C9-11, NOAEL (Rat(Female, Male), Oral, 90 d): >= 500 mg/kg Oral Read-across

ethoxylated based on grouping of substances (category approach), Key study

Butane LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation

Experimental result, Key study

NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation

Experimental result, Key study

Propane NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation

Experimental result, Key study

LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation

Experimental result, Key study

Skin Corrosion/Irritation

**Product:** No data available.

Components:

Ethanol, 2-butoxy- in vivo (Rabbit): Irritating Alcohols, C9-11, in vivo (Rabbit): Not irritant

ethoxylated

Serious Eye Damage/Eye Irritation

**Product:** No data available.



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Components:

Ethanol, 2-butoxy- Rabbit, 24 - 72 hrs: Irritating

Respiratory or Skin Sensitization

**Product:** No data available.

Components:

Ethanol, 2-butoxy- Skin sensitization:, in vivo (Guinea pig): Non sensitising

Carcinogenicity

**Product:** No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:** 

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

No carcinogenic components identified

**Germ Cell Mutagenicity** 

In vitro

**Product:** No data available.

In vivo

**Product:** No data available.

Reproductive toxicity

**Product:** No data available.

Specific Target Organ Toxicity - Single Exposure

**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure** 

**Product:** No data available.

**Aspiration Hazard** 

**Product:** No data available.

Other effects: No data available.

## 12. Ecological information

# **Ecotoxicity:**

## Acute hazards to the aquatic environment:

**Fish** 

**Product:** No data available.

Components:

Ethanol, 2-butoxy- LC 50 (Oncorhynchus mykiss, 96 h): 1,474 mg/l Experimental result, Key

study

Butane LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study

Propane LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study



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**Aquatic Invertebrates** 

**Product:** No data available.

Components:

Ethanol, 2-butoxy- EC 50 (Daphnia magna, 48 h): 1,550 mg/l Experimental result, Key study

Butane LC 50 (Daphnia sp., 48 h): 69.43 mg/l QSAR QSAR, Key study

Chronic hazards to the aquatic environment:

Fish

**Product:** No data available.

Components:

Ethanol, 2-butoxy- NOAEL (Danio rerio): > 100 mg/l Experimental result, Key study

Alcohols, C9-11, NOAEL (Pimephales promelas): 0.16 mg/l Read-across based on grouping

ethoxylated of substances (category approach), Weight of Evidence study

**Aquatic Invertebrates** 

**Product:** No data available.

Components:

Ethanol, 2-butoxy- EC 10 (Daphnia magna): 134 mg/l Experimental result, Key study

EC 50 (Daphnia magna): 297 mg/l Experimental result, Key study

Alcohols, C9-11, NOAEL (Daphnia magna): 1.75 mg/l Read-across based on grouping of

ethoxylated substances (category approach), Weight of Evidence study

**Toxicity to Aquatic Plants** 

**Product:** No data available.

**Persistence and Degradability** 

**Biodegradation** 

**Product:** No data available.

Components:

Ethanol, 2-butoxy- 90.4 % Detected in water. Experimental result, Key study

Alcohols, C9-11, 100 % (28 d) Detected in water. Read-across based on grouping of

ethoxylated substances (category approach), Weight of Evidence study

Butane 100 % (385.5 h) Detected in water. Experimental result, Key study

Propane 100 % (385.5 h) Detected in water. Experimental result, Key study

50 % (3.19 d) Detected in water. QSAR, Weight of Evidence study

**BOD/COD Ratio** 

**Product:** No data available.

**Bioaccumulative potential** 

**Bioconcentration Factor (BCF)** 

**Product:** No data available.

Components:

Alcohols, C9-11, Pimephales promelas, Bioconcentration Factor (BCF): 237 Aquatic sediment

ethoxylated Read-across from supporting substance (structural analogue or surrogate),

Key study



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# Partition Coefficient n-octanol / water (log Kow)

**Product:** No data available.

Components:

Alcohols, C9-11, Log Kow: 3.3 - 3.73 Yes QSAR, Weight of Evidence study

ethoxylated

Mobility in soil: No data available.

Components:

Ethanol, 2-butoxyAlcohols, C9-11, ethoxylated
Butane
Propane

No data available.
No data available.
No data available.
No data available.

Other adverse effects: No data available.

## 13. Disposal considerations

**Disposal instructions:** Wash before disposal. Dispose to controlled facilities.

**Contaminated Packaging:** No data available.

# 14. Transport information

DOT

UN Number: UN 1950

UN Proper Shipping Name: Aerosols, non-flammable

Transport Hazard Class(es)

Class: 2.2 Label(s): -

EmS No.:

Packing Group: -

Special precautions for user: Not regulated.

IATA

UN Number: UN 1950

UN Proper Shipping Name: Aerosols, non-flammable

Transport Hazard Class(es):

Class: 2.2 Label(s): –

Packing Group:

Special precautions for user: Not regulated.

Other information

Passenger and cargo aircraft: Allowed. 203
Cargo aircraft only: Allowed. 203

**IMDG** 

UN Number: UN 1950

UN Proper Shipping Name: Aerosols, non-flammable

Transport Hazard Class(es)

Class: 2.2
Label(s): EmS No.: F-D, S-U

Packing Group: -

Special precautions for user: Not regulated.



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# 15. Regulatory information

#### **US Federal Regulations**

Restrictions on use: Not known.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended None present or none present in regulated quantities.

#### CERCLA Hazardous Substance List (40 CFR 302.4):

#### **Chemical Identity**

GLYCOL ETHERS
UNLISTED HAZARDOUS WASTES CHARACTERISTIC OF IGNITABILITY
RCRA HAZARDOUS WASTE NO. D001
AMMONIUM HYDROXIDE
SODIUM HYDROXIDE

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

#### **Hazard categories**

Gas under pressure, Serious eye damage or eye irritation

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

None present or none present in regulated quantities.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

Chemical Identity
Ethanol, 2-butoxy
8 by weight
1.0%

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

## **US State Regulations**

#### **US.** California Proposition 65

No ingredient requiring a warning under CA Prop 65.

# US. New Jersey Worker and Community Right-to-Know Act Chemical Identity

Ethanol, 2-butoxy-Butane

#### **US. Massachusetts RTK - Substance List**

#### **Chemical Identity**

Glycine, N,N-bis(carboxymethyl)-, sodium salt (1:3)

# US. Pennsylvania RTK - Hazardous Substances

## **Chemical Identity**

Ethanol, 2-butoxy-Butane



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#### US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

## International regulations

#### Montreal protocol

Not applicable

#### Stockholm convention

Not applicable

#### **Rotterdam convention**

Not applicable

#### **Kyoto protocol**

Not applicable

## **Inventory Status:**

Canada DSL Inventory List On or in compliance with the inventory

EINECS, ELINCS or NLP Not in compliance with the inventory.

Japan (ENCS) List Not in compliance with the inventory.

Korea Existing Chemicals Inv. (KECI)

Not in compliance with the inventory.

Canada NDSL Inventory Not in compliance with the inventory.

US TSCA Inventory On or in compliance with the inventory

Japan ISHL Listing Not in compliance with the inventory.

Japan Pharmacopoeia Listing Not in compliance with the inventory.

Mexico INSQ Not in compliance with the inventory.

Australia AICS On or in compliance with the inventory

China Inv. Existing Chemical Substances

On or in compliance with the inventory

Taiwan Chemical Substance Inventory

On or in compliance with the inventory

Ontario Inventory Not in compliance with the inventory.

New Zealand Inventory of Chemicals

On or in compliance with the inventory

Philippines PICCS Not in compliance with the inventory.

# 16.Other information, including date of preparation or last revision

**Issue Date:** 07/08/2021

**Revision Information:** No data available.

Version #: 1.0

Further Information: No data available.

**Disclaimer:** This information is provided without warranty. The information is believed to

be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.