

Revision Date: 02/01/2022

SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

1. Identification

Product identifier: FAST OPEN 32 PREMIUM SCREEN OPENER

Other means of identification

SDS number: RE1000008946

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

Manufacturer/Importer/Distributor Information

Company Name: Sprayway, Inc.

Address: 1000 INTEGRAM DR.

Pacific, MO 63069

US

Telephone: 1-630-628-3000

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.

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.



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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%

^{*} 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.

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.



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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

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	Type TWA	Exposure Limit Values 20 ppm		Source US. ACGIH Threshold Limit Values, as amended	
Ethanol, 2-butoxy-					
•	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_ Time		2 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as 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

No data available.

Controls

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. Non-flammable Aerosol Flammability (solid, gas):

Explosive limit - upper (%):

No data available.

Explosive limit - lower (%):

No data available.

Vapor pressure: 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

study

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:

FISN

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 Člass(es)

Class: 2.2 Label(s): -

EmS No.:

Packing Group: -

Special precautions for user: None known.

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: None known.

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.:

Packing Group:

Special precautions for user: None known.

The classification shown in this section may be eligible for use of an exception, such as "Limited Quantity", per the dangerous goods regulations. The shipper of this product should consult the applicable mode's regulation for the UN number displayed above to determine if any exceptions are available and may be utilized, at the shipper's discretion.



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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 % by weight

Ethanol, 2-butoxy- 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. Not in compliance with the inventory. Japan (ENCS) List 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 Not in compliance with the inventory. Japan ISHL Listing 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: 02/01/2022

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.