

# SAFETY DATA SHEET

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Trade name**

Power Spray

**Product no.**

-

**REACH registration number**

Not applicable

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses of the substance or mixture**

Cleaning liquid

**Uses advised against**

-

The full text of any mentioned and identified use categories are given in section 16

### 1.3. Details of the supplier of the safety data sheet

**Company and address**

Blue & Green AB

Stenorsvägen 52

261 44 Landskrona

Sweden

Tfn: +46 418 399000

Fax: +46 418 13199

www.blueandgreen.se

**E-mail**

info@blueandgreen.se

**SDS date**

2020-12-03

**SDS Version**

1.0

### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Eye Irrit. 2; H319

See full text of H-phrases in section 2.2.

### 2.2. Label elements

**Hazard pictogram(s)****Signal word**

Warning

**Hazard statement(s)**

Causes serious eye irritation. (H319)

**Precautionary statements**

General

If medical advice is needed, have product container or label at hand. (P101).  
Keep out of reach of children. (P102).

According to EC-Regulation 2015/830

<b>Prevention</b>	Wash hands/exposed skin thoroughly after handling. (P264). Wear eye protection/gloves. (P280).
<b>Response</b>	If eye irritation persists: Get medical advice/attention. (P337+P313). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338).
<b>Storage</b>	-
<b>Disposal</b>	-

**Identity of the substances primarily responsible for the major health hazards**

Not applicable

**Additional labelling**

Not applicable

**Unique formula identifier (UFI)**

JC9R-KFHD-720E-4SF5

**2.3. Other hazards**

Not applicable

**Additional warnings**

Not applicable

**VOC (volatile organic compound)**

Not applicable

**SECTION 3: Composition/information on ingredients**

**3.1/3.2. Substances/Mixtures**

NAME: citric acid  
IDENTIFICATION NOS.: CAS-no: 77-92-9 EC-no: 201-069-1 REACH-no: 01-2119457026-42  
CONTENT: 5 - <10%  
CLP CLASSIFICATION: Eye Irrit. 2  
H319

NAME: sulphamic acid  
IDENTIFICATION NOS.: CAS-no: 5329-14-6 EC-no: 226-218-8 REACH-no: 01-2119488633-28 Index-no: 016-026-00-0  
CONTENT: 5 - <10%  
CLP CLASSIFICATION: Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3  
H315, H319, H412

NAME: Alcohols, C11-14-iso-, C13-rich, ethoxylated  
IDENTIFICATION NOS.: CAS-no: 78330-21-9 EC-no: 934-084-3  
CONTENT: 1 - <2.5%  
CLP CLASSIFICATION: Eye Dam. 1, Aquatic Chronic 3  
H318, H412

NAME: Alcohols (C16-18) ethoxylated  
IDENTIFICATION NOS.: CAS-no: 68439-49-6 REACH-no: Polymer  
CONTENT: 0.25 - <1%  
CLP CLASSIFICATION: Aquatic Acute 1, Acute Tox. 4, Eye Irrit. 2, H400,H302,H319

(\*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

**Other information**

ATEmix(oral) > 2000  
Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 2.72 - 4.08  
Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0.4 - 0.6  
N chronic (CAT 4) Sum = Sum(Ci/(M(chronic))^25)\*0.1\*10^CAT4) = 0.224 - 0.336  
N acute (CAT 1) Sum = Sum(Ci/M(acute))^25) = 0.016 - 0.024

Detergent:  
< 5%: NON-IONIC SURFACTANTS, ANIONIC SURFACTANTS, PHOSPHATES, PERFUMES

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.  
The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service).  
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an

According to EC-Regulation 2015/830

unconscious person water or other drink.

**Inhalation**

Bring the person into fresh air and stay with him/her.

**Skin contact**

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with soap and water.

**Eye contact**

Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 5 minutes and continue until irritation stops. Make sure to flush under the upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

**Ingestion**

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

**Burns**

Not applicable

**4.2. Most important symptoms and effects, both acute and delayed**

This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

**4.3. Indication of any immediate medical attention and special treatment needed**

IF exposed or concerned: Get immediate medical advice/attention.

**Information to medics**

Bring this safety data sheet.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist.

**5.2. Special hazards arising from the substance or mixture**

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Sulphur oxides. Nitrogen oxides. Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

No specific requirements.

**6.2. Environmental precautions**

No specific requirements.

**6.3. Methods and material for containment and cleaning up**

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

**6.4. Reference to other sections**

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection.

**7.2. Conditions for safe storage, including any incompatibilities**

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

**Storage temperature**

Room temperature 18 to 23°C

According to EC-Regulation 2015/830

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### OEL

No substances are listed in The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

#### DNEL / PNEC

DNEL (sulphamidic acid): 10mg/kg kv/d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (sulphamidic acid): 5mg/kg kv/d

Exposure: Oral

Duration of Exposure: Long term – Systemic effects - General population

DNEL (sulphamidic acid): 5mg/kg kv/d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population

PNEC (sulphamidic acid): 0.048mg/l

Exposure: Freshwater

PNEC (sulphamidic acid): 0.0048mg/l

Exposure: Marine water

PNEC (sulphamidic acid): 0.48mg/l

Exposure: Intermittent release

PNEC (sulphamidic acid): 2mg/l

Exposure: Sewage Treatment Plant

PNEC (sulphamidic acid): 0.173mg/kg

Exposure: Freshwater sediment

PNEC (sulphamidic acid): 0.0173mg/kg

Exposure: Marine water sediment

PNEC (sulphamidic acid): 0.00638mg/kg

Exposure: Soil

### 8.2. Exposure controls

Control is unnecessary if the product is used as intended.

#### General recommendations

Observe general occupational hygiene standards.

#### Exposure scenarios

There is no appendix to this safety data sheet.

#### Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

#### Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

#### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

#### Measures to avoid environmental exposure

No specific requirements.

#### Individual protection measures, such as personal protective equipment



#### Generally

Use only CE marked protective equipment.

According to EC-Regulation 2015/830

**Respiratory Equipment**

No specific requirements.

**Skin protection**

Dedicated work clothing should be worn.

**Hand protection**

Household gloves

Can be reused after cleaning

**Eye protection**

Wear safety glasses with side shields.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Form	Liquid
Colour	Clear
Odour	Pleasant
Odour threshold (ppm)	No data available.
pH	3.5
Viscosity (40°C)	No data available.
Density (g/cm³)	No data available.

**Phase changes**

Melting point (°C)	No data available.
Boiling point (°C)	~100
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.

**Data on fire and explosion hazards**

Flash point (°C)	No data available.
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.

**Solubility**

Solubility in water	Soluble
n-octanol/water coefficient	No data available.

**9.2. Other information**

Solubility in fat (g/L)	No data available.
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**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No data available

**10.2. Chemical stability**

The product is stable under the conditions, noted in the section "Handling and storage".

**10.3. Possibility of hazardous reactions**

Nothing special

**10.4. Conditions to avoid**

Nothing special

**10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**10.6. Hazardous decomposition products**

The product is not degraded when used as specified in section 1.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

Substance: Alcohols (C16-18) ethoxylated  
 Species: Rat  
 Test: LD50  
 Route of exposure: Oral  
 Result: 2000mg/kg

According to EC-Regulation 2015/830

Substance: Alcohols, C11-14-iso-, C13-rich, ethoxylated  
 Species: Rabbit  
 Test: LD50  
 Route of exposure: Dermal  
 Result: >2000 mg/kg

Substance: Alcohols, C11-14-iso-, C13-rich, ethoxylated  
 Species: Rat  
 Test: LD50  
 Route of exposure: Oral  
 Result: >2000 mg/kg

Substance: sulphamidic acid  
 Species: Rat  
 Test: LD50  
 Route of exposure: Oral  
 Result: >2000mg/kg

Substance: citric acid  
 Species: Rat  
 Test: LD50  
 Route of exposure: Dermal  
 Result: 2000mg/l

Substance: citric acid  
 Species: Rat  
 Test: LD50  
 Route of exposure: Oral  
 Result: 11700mg/kg

Substance: citric acid  
 Species: Rat  
 Test: LD50  
 Route of exposure: Intraperitoneal  
 Result: 884mg/kg

**Skin corrosion/irritation**

No data available.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation**

No data available.

**Germ cell mutagenicity**

No data available.

**Carcinogenicity**

No data available.

**Reproductive toxicity**

No data available.

**STOT-single exposure**

No data available.

**STOT-repeated exposure**

No data available.

**Aspiration hazard**

No data available.

**Long term effects**

This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Substance: Alcohols (C16-18) ethoxylated  
 Species: Daphnia  
 Test: EC50  
 Duration: 48h  
 Result: 0,1-1mg/l

Substance: sulphamidic acid  
 Species: Daphnia  
 Test: EC50  
 Duration: 48h  
 Result: 71.6mg/l

Substance: sulphamidic acid

According to EC-Regulation 2015/830

Species: Fish  
 Test: LC50  
 Duration: 96h  
 Result: 70,3mg/l

Substance: citric acid  
 Species: Fish  
 Test: LC50  
 Duration: 96h  
 Result: 440-706mg/l

**12.2. Persistence and degradability**

Substance	Biodegradability	Test	Result
No data available.			

**12.3. Bioaccumulative potential**

Substance	Potential bioaccumulation	LogPow	BCF
Alcohols (C16-18) ethoxylated	No	No data available	No data available
sulphamic acid	No	1	No data available
citric acid	No	-1.72	No data available

**12.4. Mobility in soil**

sulphamic acid: Log Koc= 0.8703, Calculated from LogPow (High mobility potential.).  
 citric acid: Log Koc= -1.283668, Calculated from LogPow (High mobility potential.).

**12.5. Results of PBT and vPvB assessment**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

**12.6. Other adverse effects**

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.  
 This product contains substances, which may cause adverse long-term effects to the aquatic environment.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Product is not covered by regulations on dangerous waste.

**Waste**

EWC code

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**Specific labelling**

Not applicable

**Contaminated packing**

Contaminated packaging must be disposed of similarly to the product.

**SECTION 14: Transport information**

**14.1 – 14.4**

Not dangerous goods according to ADR, IATA and IMDG.

**ADR/RID**

14.1. UN number -  
 14.2. UN proper shipping name -  
 14.3. Transport hazard class(es) -  
 14.4. Packing group -  
 Notes -  
 Tunnel restriction code -

**IMDG**

UN-no. -  
 Proper Shipping Name -  
 Class -  
 PG\* -  
 EmS -  
 MP\*\* -  
 Hazardous constituent -

**IATA/ICAO**

UN-no. -  
 Proper Shipping Name -  
 Class -  
 PG\* -

**14.5. Environmental hazards**

-



According to EC-Regulation 2015/830

**14.6. Special precautions for user**

-

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No data available

(\*) Packing group

(\*\*) Marine pollutant

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Restrictions for application**

-

**Demands for specific education**

-

**Additional information**

Not applicable

**Seveso**

-

**Biocidal reg. no.**

Not applicable

**Sources**

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

Regulation (EC) 1907/2006 (REACH).

**15.2. Chemical safety assessment**

No

**SECTION 16: Other information**

**Full text of H-phrases as mentioned in section 3**

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H400 - Very toxic to aquatic life.

H412 - Harmful to aquatic life with long lasting effects.

**The full text of identified uses as mentioned in section 1**

-

**Additional label elements**

Not applicable

**Other**

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

**The safety data sheet is validated by**

David Löwenstein

**Date of last essential change  
(First cipher in SDS version)**

-

**Date of last minor change  
(Last cipher in SDS version)**





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