

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Graffiti Remover All In One

**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**

Graffiti Removal

**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**

2020-09-17

**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)**

YK2V-VV5Q-300D-XNMT

**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: dimethyl glutarate  
IDENTIFICATION NOS.: CAS-no: 1119-40-0 EC-no: 214-277-2 REACH-no: 01-2119900156-49  
CONTENT: 15 - <25%  
CLP CLASSIFICATION: NA

NAME: benzyl alcohol  
IDENTIFICATION NOS.: CAS-no: 100-51-6 EC-no: 202-859-9 REACH-no: 01-2119492630-38 Index-no: 603-057-00-5  
CONTENT: 15 - <25%  
CLP CLASSIFICATION: Acute Tox. 4, Eye Irrit. 2  
H302, H319, H332

NAME: dimethyl succinate  
IDENTIFICATION NOS.: CAS-no: 106-65-0 EC-no: 203-419-9 REACH-no: 01-2119486681-29  
CONTENT: 5 - <10%  
CLP CLASSIFICATION: NA

NAME: dimethyl adipate  
IDENTIFICATION NOS.: CAS-no: 627-93-0 EC-no: 211-020-6 REACH-no: 01-2119911093-50  
CONTENT: 2.5 - <5%  
CLP CLASSIFICATION: NA

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

**Other information**

ATEmix(inhale, vapour) > 20  
ATEmix(oral) > 2000  
Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 1.6 - 2.4

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

**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 unconscious person water or other drink.

**Inhalation**

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

According to EC-Regulation 2015/830

#### **Skin contact**

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed 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: 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

#### **7.3. Specific end use(s)**

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

According to EC-Regulation 2015/830

## 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 (dimethyl succinate): 1,1mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - Workers

DNEL (dimethyl succinate): 6.8mg/kg/d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (dimethyl succinate): 33,5mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (dimethyl succinate): 1,1mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - Workers

DNEL (dimethyl succinate): 12,6mg/kg

Exposure: Dermal

Duration of Exposure: Short term – Systemic effects - Workers

DNEL (dimethyl succinate): 67mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - Workers

DNEL (dimethyl glutarate): 8,3mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - Workers

DNEL (dimethyl glutarate): 49,8mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - Workers

DNEL (dimethyl glutarate): 5mg/m<sup>3</sup>

Exposure: Inhalation

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

DNEL (dimethyl glutarate): 50mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - General population

DNEL (benzyl alcohol): 22 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 110 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - Workers

Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 8 mg/kg bw/d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 40 mg/kg bw/d

Exposure: Dermal

Duration of Exposure: Short term – Systemic effects - Workers

Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 5.4 mg/m<sup>3</sup>

Exposure: Inhalation

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

Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 27 mg/m<sup>3</sup>

According to EC-Regulation 2015/830

Exposure: Inhalation  
Duration of Exposure: Short term – Systemic effects - General population  
Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 4 mg/kg bw/d  
Exposure: Dermal  
Duration of Exposure: Long term – Systemic effects - General population  
Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 20 mg/kg bw/d  
Exposure: Dermal  
Duration of Exposure: Short term – Systemic effects - General population  
Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 4 mg/kg bw/d  
Exposure: Oral  
Duration of Exposure: Long term – Systemic effects - General population  
Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 20 mg/kg bw/d  
Exposure: Oral  
Duration of Exposure: Short term – Systemic effects - General population  
Remarks: Registration dossier ECHA

PNEC (dimethyl succinate): 0,05mg/l  
Exposure: Freshwater

PNEC (dimethyl succinate): 0,005mg/l  
Exposure: Marine water

PNEC (dimethyl succinate): 0,5mg/l  
Exposure: Intermittent release

PNEC (dimethyl succinate): 10mg/l  
Exposure: Sewage Treatment Plant

PNEC (dimethyl succinate): 0,137mg/kg  
Exposure: Freshwater sediment

PNEC (dimethyl succinate): 0,014mg/kg  
Exposure: Marine water sediment

PNEC (dimethyl adipate): 0,018mg/l  
Exposure: Freshwater

PNEC (dimethyl adipate): 0,0018mg/l  
Exposure: Marine water

PNEC (dimethyl adipate): 0,18mg/l  
Exposure: Intermittent release

PNEC (dimethyl adipate): 0,16mg/kg  
Exposure: Freshwater sediment

PNEC (dimethyl adipate): 0,016  
Exposure: Marine water sediment

PNEC (dimethyl adipate): 0,09mg/kg  
Exposure: Soil

PNEC (dimethyl adipate): 10mg/l  
Exposure: Sewage Treatment Plant

PNEC (dimethyl glutarate): 0,018mg/l  
Exposure: Freshwater

PNEC (dimethyl glutarate): 0,0018/mg/l  
Exposure: Marine water

PNEC (dimethyl glutarate): 0,018/mg/l  
Exposure: Intermittent release

PNEC (dimethyl glutarate): 0,16mg/kg

According to EC-Regulation 2015/830

Exposure: Freshwater sediment

PNEC (dimethyl glutarate): 0,016mg/kg

Exposure: Marine water sediment

PNEC (dimethyl glutarate): 0,09mg/kg

Exposure: Soil

PNEC (dimethyl glutarate): 10mg/l

Exposure: Sewage Treatment Plant

PNEC (benzyl alcohol): 1 mg/l

Exposure: Freshwater

Remarks: Registration dossier ECHA

PNEC (benzyl alcohol): 0.1 mg/l

Exposure: Marine water

Remarks: Registration dossier ECHA

PNEC (benzyl alcohol): 2.3 mg/l

Exposure: Intermittent release

Remarks: Registration dossier ECHA

PNEC (benzyl alcohol): 0.456 mg/kg dw

Exposure: Soil

Remarks: Registration dossier ECHA

PNEC (benzyl alcohol): 0.527 mg/kg dw

Exposure: Marine water sediment

Remarks: Registration dossier ECHA

PNEC (benzyl alcohol): 5.27 mg/kg dw

Exposure: Freshwater sediment

Remarks: Registration dossier ECHA

PNEC (benzyl alcohol): 39 mg/l

Exposure: Sewage Treatment Plant

Remarks: Registration dossier ECHA

## 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.

### Respiratory Equipment

No specific requirements.

### Skin protection

Dedicated work clothing should be worn.

According to EC-Regulation 2015/830

**Hand protection**

Neoprene  
Breakthrough time: > 480 minutes (Class 6)

**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	Pale yellow
Odour	Mild
Odour threshold (ppm)	No data available.
pH	No data available.
Viscosity (40°C)	No data available.
Density (g/cm <sup>3</sup> )	No data available.

**Phase changes**

Melting point (°C)	No data available.
Boiling point (°C)	No data available.
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	Insoluble
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: dimethyl adipate  
Species: Rat  
Test: LD50  
Route of exposure: Oral  
Result: 5000mg/kg

Substance: dimethyl adipate  
Species: Rat  
Test: LD50  
Route of exposure: Dermal

According to EC-Regulation 2015/830

Result: 2000mg/kg

Substance: dimethyl adipate  
Species: Rat  
Test: LC50  
Route of exposure: Inhalation  
Result: 11000mg/l

Substance: dimethyl succinate  
Species: Rat  
Test: LD50  
Route of exposure: Oral  
Result: 5000mg/kg

Substance: dimethyl succinate  
Species: Rat  
Test: LD50  
Route of exposure: Dermal  
Result: 2000mg/kg

Substance: dimethyl succinate  
Species: Rat  
Test: LC50  
Route of exposure: Inhalation  
Result: 11000mg/l

Substance: benzyl alcohol  
Species: Rat  
Test: LD50  
Route of exposure: Oral  
Result: 1620 mg/kg

Substance: benzyl alcohol  
Species: Rat  
Test: LC50  
Route of exposure: Inhalation  
Result: >4178 mg/l/4h

Substance: benzyl alcohol  
Species: Rabbit  
Test: LD50  
Route of exposure: Dermal  
Result: >2000 mg/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: dimethyl adipate  
Species: Fish  
Test: LC50  
Duration: 96h  
Result: 18-24mg/l



According to EC-Regulation 2015/830

Substance: dimethyl adipate  
Species: Daphnia  
Test: EC50  
Duration: 48h  
Result: 112-150mg/l

Substance: dimethyl adipate  
Species: Algae  
Test: EC50  
Duration: 72h  
Result: >85mg/l

Substance: dimethyl succinate  
Species: Fish  
Test: LC50  
Duration: 96h  
Result: 12-24mg/l

Substance: dimethyl succinate  
Species: Daphnia  
Test: EC50  
Duration: 48h  
Result: 112-150mg/l

Substance: dimethyl succinate  
Species: Algae  
Test: EC50  
Duration: 72h  
Result: >85mg/l

Substance: benzyl alcohol  
Species: Fish  
Test: LC50  
Duration: 96h  
Result: 460 mg/l

Substance: benzyl alcohol  
Species: Daphnia  
Test: EC50  
Duration: 48h  
Result: 230 mg/l

Substance: benzyl alcohol  
Species: Algae  
Test: IC100  
Duration: 72h  
Result: 770 mg/l

### 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
dimethyl adipate	Yes	No data available	No data available
dimethyl succinate	Yes	No data available	No data available
benzyl alcohol	Yes	Closed Bottle Test	>90%
dimethyl glutarate	Yes	No data available	No data available

### 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
benzyl alcohol	No	1.1	No data available

### 12.4. Mobility in soil

benzyl alcohol: Log Koc= 0.94949, 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

Nothing special

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

#### Waste

EWC code

According to EC-Regulation 2015/830

**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**

-

**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**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**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).

According to EC-Regulation 2015/830

**15.2. Chemical safety assessment**

No

**SECTION 16: Other information**

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

H302 - Harmful if swallowed.

H319 - Causes serious eye irritation.

H332 - Harmful if inhaled.

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

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**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)**

-