

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Paint Remover Green

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

2021-03-03

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

Acute Tox. 4; H302

Eye Irrit. 2; H319

Aquatic Chronic 3; H412

See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)**Signal word**

Warning

Hazard statement(s)

Harmful if swallowed. (H302)

Causes serious eye irritation. (H319)

Harmful to aquatic life with long lasting effects. (H412)

According to EC-Regulation 2015/830

Precautionary statements

General	If medical advice is needed, have product container or label at hand. (P101). Keep out of reach of children. (P102).
Prevention	Do not eat, drink or smoke when using this product. (P270). Avoid release to the environment. (P273).
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338).
Storage	-
Disposal	Dispose of contents/container to an approved waste disposal plant. (P501).

Identity of the substances primarily responsible for the major health hazards

benzyl alcohol

Additional labelling

Not applicable

Unique formula identifier (UFI)

6X6R-EF68-N20K-M74C

2.3. Other hazards

Not applicable

Additional warnings

Tactile warning.

VOC (volatile organic compound)

Not applicable

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

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:	40-60%
CLP CLASSIFICATION:	Acute Tox. 4, Eye Irrit. 2 H302, H319, H332

NAME:	Hydrocarbons, C9, aromatics
IDENTIFICATION NOS.:	CAS-no: 128601-23-0 EC-no: 918-668-5 REACH-no: 01-2119455851-35
CONTENT:	2.5 - <5%
CLP CLASSIFICATION:	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2 H226, H304, H335, H336, H411, EUH066
NOTE:	O

(*) O = Organic solvent 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) = 800 - 1200
Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 4 - 6
N chronic (CAT 3) Sum = Sum(Ci/(M(chronic)ⁱ*25)^{0.1}*10[^]CATi) = > 1 - 1.44

Detergent:
< 5%: AROMATIC HYDROCARBONS

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.

Skin contact

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

According to EC-Regulation 2015/830

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

In the case of ingestion, contact a doctor immediately and bring the safety data sheet or label. If the person is conscious, give them water. DO NOT try to induce vomiting, unless this is recommended by a doctor. Hold head facing down to prevent vomit returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

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

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment.

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. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment. 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)

According to EC-Regulation 2015/830

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 (benzyl alcohol): 22 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 110 mg/m³

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/m³

Exposure: Inhalation

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

Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 27 mg/m³

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

DNEL (Hydrocarbons, C9, aromatics): 150 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Hydrocarbons, C9, aromatics): 25 mg/kg/d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Hydrocarbons, C9, aromatics): 11 mg/kg/d

Exposure: Dermal

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

DNEL (Hydrocarbons, C9, aromatics): 32 mg/m³

Exposure: Inhalation

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

According to EC-Regulation 2015/830

DNEL (Hydrocarbons, C9, aromatics): 11 mg/kg/d
 Exposure: Oral
 Duration of Exposure: Long term – Systemic effects - General population

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.

Hand protection

Butyl rubber

Breakthrough time: > 480 minutes (Class 6)

Eye protection

Wear safety glasses with side shields.

According to EC-Regulation 2015/830

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Green
Odour	Aromatic
Odour threshold (ppm)	No data available.
pH	10
Viscosity (40°C)	No data available.
Density (g/cm ³)	1.01

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)	100
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: Hydrocarbons, C9, aromatics
 Species: Rabbit
 Test: LD50
 Route of exposure: Dermal
 Result: 3160 mg/kg

Substance: Hydrocarbons, C9, aromatics
 Species: Rat
 Test: LD50
 Route of exposure: Oral
 Result: 3492 mg/kg

Substance: Hydrocarbons, C9, aromatics
 Species: Rat
 Test: LC50
 Route of exposure: Inhalation
 Result: >6193 mg/m³

According to EC-Regulation 2015/830

Substance: benzyl alcohol
Species: Rabbit
Test: LD50
Route of exposure: Dermal
Result: >2000 mg/kg

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

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: Hydrocarbons, C9, aromatics
Species: Daphnia
Test: NOEC
Duration: 21d
Result: 2.14 mg/l

Substance: Hydrocarbons, C9, aromatics
Species: Daphnia
Test: EC50
Duration: 48h
Result: 3.2 mg/l

Substance: Hydrocarbons, C9, aromatics
Species: Fish
Test: NOEC
Duration: 28d
Result: 1.23 mg/l

Substance: Hydrocarbons, C9, aromatics
Species: Fish
Test: LC50
Duration: 96h
Result: 9.2 mg/l

Substance: Hydrocarbons, C9, aromatics
Species: Algae
Test: NOEC
Duration: 72h
Result: 1 mg/l

Substance: Hydrocarbons, C9, aromatics

According to EC-Regulation 2015/830

Species: Algae
 Test: EC50
 Duration: 72h
 Result: 2.9 mg/l

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

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

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

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Hydrocarbons, C9, aromatics	Yes	Manometric Respirometry	78%
benzyl alcohol	Yes	Closed Bottle Test	>90%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
Hydrocarbons, C9, aromatics	No	4.5	No data available
benzyl alcohol	No	1.1	No data available

12.4. Mobility in soil

Hydrocarbons, C9, aromatics: Log Koc= 3.64195, Calculated from LogPow (Moderate mobility potential.).
 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

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 covered by the regulations on hazardous waste.

Waste

EWC code

-

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	-

According to EC-Regulation 2015/830

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

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Demands for specific education

-

Additional information

Not applicable

Seveso

-

Biocidal reg. no.

Not applicable

Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

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

H226 - Flammable liquid and vapour.

H302 - Harmful if swallowed.

H304 - May be fatal if swallowed and enters airways.

H319 - Causes serious eye irritation.

H332 - Harmful if inhaled.

H335 - May cause respiratory irritation.

H336 - May cause drowsiness or dizziness.

H411 - Toxic to aquatic life with long lasting effects.

EUH066 - Repeated exposure may cause skin dryness or cracking.

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

According to EC-Regulation 2015/830

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)

The classification of the mixture in regard of environmental 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)**

-