



## SAFETY DATA SHEET

according to Regulation (EU) 2020/878

Page 1/9

### Volvo Bird & Bug Remover

Revision 20  
Revision date 2022-11-10

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

##### 1.1. Product identifier

**Product name** Volvo Bird & Bug Remover

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

**Product Use** [SU21] Consumer uses: Private households (= general public = consumers); [PC35] Washing and cleaning products (including solvent based products);  
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[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products);

**Description** A combination of surfactants which neutralise the acid in bird lime.

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

**Company** SUPAGARD LIMITED  
**Address** 19-27 Gavinton Street  
Muirend  
Glasgow  
G44 3EF  
**Web** www.supagard.com  
**Telephone** 0141 633 5933  
**Fax** 01416377219  
**Email** James.Smyth@supagard.com  
**Email address of the competent person** James.Smyth@supagard.com

##### 1.4. Emergency telephone number

**Emergency telephone number** 01416335933  
8.30am to 5.00pm

For medical advice or information you should contact your GP or NHS 111 (or NHS 24 in Scotland) on 111 (for 24 hour health advice)

If you are a healthcare professional with an enquiry please visit [www.TOXBASE.org](http://www.TOXBASE.org)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

**2.1.2. Classification - EC 1272/2008** This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures.

##### 2.2. Label elements

**Precautionary Statement: Prevention** P102 - Keep out of reach of children.

**Precautionary Statement: Response** P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## Volvo Bird &amp; Bug Remover

Revision 20

Revision date 2022-11-10

## 2.2. Label elements

<b>Hazard Statement</b>	No Significant Hazard
<b>SUPPLEMENTAL HAZARD INFORMATION</b>	Ingredients as required by Regulation (EC) No 648/2004: Less than 5% Non-ionic surfactants.  Contains - 2,2',2"-Nitrilotriethanol, Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides, Denatured Ethanol, 2-butoxyethanol.

## 2.3. Other hazards

<b>Other hazards</b>	This substance/mixture is not classified as PBT or vPvB according to current criteria. The substance/mixture does not contain substances with endocrine disrupting properties.
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## Further information

	RECOMMENDED SHELF LIFE 1 YEAR FROM DATE OF DELIVERY.
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## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
2,2',2"-Nitrilotriethanol		102-71-6	203-049-8	01-2119486482-31	1 - 10%	
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides		308062-28-4	931-292-6	01-2119490061-47	0 - 0.5%	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 2: H411;
Ethanol: Ethyl Alcohol (Ethanol)		64-17-5	200-578-6	01-2119457610-43	1 - 10%	Flam. Liq. 2: H225; Eye Irrit. 2: H319;
2-butoxyethanol	603-014-00-0	111-76-2	203-905-0	01-2119475108-36	1 - 10%	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315;
						Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides (CAS No. 308062-28-4) - M Factor (Acute) = 1.

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	Move the exposed person to fresh air.
<b>Eye contact</b>	Rinse immediately with plenty of water. Contact lenses should be removed.
<b>Skin contact</b>	Remove contaminated clothing. Wash with water and soap as a precaution.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Rinse mouth thoroughly.

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

<b>Inhalation</b>	May cause irritation to respiratory system.
<b>Eye contact</b>	May cause irritation to eyes.
<b>Skin contact</b>	May cause skin dryness and irritation.
<b>Ingestion</b>	May cause irritation to mucous membranes.

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

	TREAT SYMPTOMATICALLY.
<b>Inhalation</b>	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
<b>Eye contact</b>	Contact lenses should be removed. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	Drink 1 to 2 glasses of water. Seek medical attention if irritation or symptoms persist.

## General information

# Volvo Bird & Bug Remover

Revision 20

Revision date 2022-11-10

## General information

If you feel unwell, seek medical advice (show the label where possible). Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

This product is not flammable . Use fire-extinguishing media appropriate for surrounding materials.

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

None known.

### 5.3. Advice for firefighters

Fire fighters should wear self contained positive pressure breathing apparatus (SCBA) and full turnout gear.

## Further information

In the event of a fire and/or explosion do not breath fumes. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

## SECTION 6: Accidental release measures

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

Wear suitable protective equipment.

### 6.2. Environmental precautions

Advise local authorities if large spills cannot be contained.

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

For large spills:. Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. For small spills:. Flush down the drain with plenty of water.

### 6.4. Reference to other sections

See section 2, 7, 8, 13 for further information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing.

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

Store in a cool, dry area. Keep container tightly closed. Keep out of the reach of children. Store in original container.

### 7.3. Specific end use(s)

A combination of surfactants which neutralise the acid in bird lime.

## Suitable packaging

Plastic containers.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure controls.

#### 8.1.1. Exposure Limit Values

## Volvo Bird &amp; Bug Remover

Revision 20  
Revision date 2022-11-10

## 8.1.1. Exposure Limit Values

2-butoxyethanol	WEL 8-hr limit ppm: 25 WEL 15 min limit ppm: 50 WEL 8-hr limit mg/m <sup>3</sup> total inhalable dust: - WEL 8-hr limit mg/m <sup>3</sup> total respirable dust: -	WEL 8-hr limit mg/m <sup>3</sup> : 123 WEL 15 min limit mg/m <sup>3</sup> : 101.2 WEL 15 min limit mg/m <sup>3</sup> total inhalable dust: - WEL 15 min limit mg/m <sup>3</sup> total respirable dust: -
Ethanol: Ethyl Alcohol (Ethanol)	WEL 8-hr limit ppm: 1000 WEL 15 min limit ppm: - WEL 8-hr limit mg/m <sup>3</sup> total inhalable dust: - WEL 8-hr limit mg/m <sup>3</sup> total respirable dust: -	WEL 8-hr limit mg/m <sup>3</sup> : 1920 WEL 15 min limit mg/m <sup>3</sup> : - WEL 15 min limit mg/m <sup>3</sup> total inhalable dust: - WEL 15 min limit mg/m <sup>3</sup> total respirable dust: -

DNEL: Derived no-effect level.

## Exposure Pattern - Workers

2,2',2"-Nitrilotriethanol	Long-term - inhalation - Systemic effects 5 mg/m <sup>3</sup> Long-term - inhalation - Local effects 5 mg/m <sup>3</sup>	Long-term - dermal - Systemic effects 6.3 mg/kg
2-butoxyethanol	Acute inhalation - Systemic effects 1091 mg/m <sup>3</sup> Acute inhalation - Local effects 246 mg/m <sup>3</sup> Long-term - inhalation - Systemic effects 98 mg/m <sup>3</sup>	Acute dermal - Systemic effects 89 mg/kg Long-term - dermal - Systemic effects 125 mg/kg
Ethanol: Ethyl Alcohol	Long-term - inhalation - Systemic effects 950 mg/m <sup>3</sup> Long-term - inhalation - Local effects 1900 mg/m <sup>3</sup>	Long-term - dermal - Systemic effects 343 mg/kg

## Exposure Pattern - General population

2,2',2"-Nitrilotriethanol	Long-term - inhalation - Systemic effects 1.25 mg/m <sup>3</sup> Long-term - inhalation - Local effects 1.25 mg/m <sup>3</sup> Long-term - oral - Systemic effects 13 mg/kg	Long-term - dermal - Systemic effects 3.1 mg/kg
2-butoxyethanol	Acute inhalation - Systemic effects 426 mg/m <sup>3</sup> Acute dermal - Systemic effects 89 mg/kg Long-term - inhalation - Systemic effects 59 mg/m <sup>3</sup> Long-term - dermal - Systemic effects 75 mg/kg	Acute oral - Systemic effects 26.7 mg/kg Long-term - inhalation - Local effects 147 mg/m <sup>3</sup> Long-term - oral - Systemic effects 6.3 mg/kg
Ethanol: Ethyl Alcohol	Long-term - inhalation - Systemic effects 114 mg/m <sup>3</sup> Long-term - inhalation - Local effects 950 mg/m <sup>3</sup> Long-term - oral - Systemic effects 87 mg/kg	Long-term - dermal - Systemic effects 206 mg/kg

## 8.2. Exposure controls



# Volvo Bird & Bug Remover

Revision 20

Revision date 2022-11-10

## 8.2. Exposure controls

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Use appropriate personal protective equipment. Wear suitable protective clothing and eye/face protection.
<b>8.2.1. Appropriate engineering controls</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure eyewash stations and safety showers are close to the workstation location.
<b>Eye / face protection</b>	Avoid contact with eyes. If splashes are likely to occur, wear: safety glasses with side-shields.
<b>Skin protection - Handprotection</b>	Rubber gloves.
<b>Respiratory protection</b>	No personal respiratory protective equipment normally required. In case of insufficient ventilation wear suitable respiratory equipment.
<b>8.2.3. Environmental exposure controls</b>	Prevent further leakage or spillage if safe to do so.

## SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Liquid
<b>Colour</b>	Clear
<b>Odour</b>	Characteristic
<b>Odour threshold</b>	No data available
<b>pH</b>	8 - 10
<b>Melting point</b>	Not applicable.
<b>Initial boiling point</b>	No data available
<b>Flash point</b>	62 °C
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Relative Vapour Density</b>	No data available
<b>Density / Relative Density</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	< 50 centipoise
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	Not applicable.
<b>Solubility</b>	Soluble in water

### 9.2. Other information

<b>Conductivity</b>	Not applicable.
<b>Surface tension</b>	No data available
<b>Specific gravity</b>	1 - 1.01 g/cm <sup>3</sup>
<b>Gas group</b>	No data available
<b>Benzene Content</b>	Not applicable.
<b>Lead content</b>	Not applicable.

#### 9.2.1. Information with regard to physical hazard classes

	No data is available on this product.
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#### 9.2.2. Other safety characteristics

	No data is available on this product.
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## SECTION 10: Stability and reactivity

## Volvo Bird &amp; Bug Remover

Revision 20  
Revision date 2022-11-10

## 10.1. Reactivity

Stable under normal conditions. No specific reactivity hazards associated with this product.

## 10.2. Chemical stability

Stable under normal conditions. No particular stability concerns.

## 10.3. Possibility of hazardous reactions

Strong acids. Strong oxidising agents.

## 10.4. Conditions to avoid

Protect from frost.

## 10.5. Incompatible materials

No incompatible groups noted.

## 10.6. Hazardous decomposition products

No Hazardous decomposition products when stored and handled correctly.

## SECTION 11: Toxicological information

## 11.1 Information on hazard classes

Acute toxicity	This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).
	based on available data the classification criteria are not met. Oral ATE = >10,000 mg/kg. Dermal ATE = >10,000 mg/kg. Inhalation - Dust/Mist ATE = >20 mg/l.
Skin corrosion/irritation	based on available data the classification criteria are not met.
Serious eye damage/irritation	based on available data the classification criteria are not met.
Respiratory or skin sensitisation	based on available data the classification criteria are not met.
Germ cell mutagenicity	based on available data the classification criteria are not met.
Carcinogenicity	based on available data the classification criteria are not met.
Reproductive toxicity	based on available data the classification criteria are not met.
STOT-single exposure	based on available data the classification criteria are not met.
STOT-repeated exposure	based on available data the classification criteria are not met.
Aspiration hazard	based on available data the classification criteria are not met.
Repeated or prolonged exposure	based on available data the classification criteria are not met.

## 11.1.2. Mixtures

No data available.

## 11.1.3. Hazard Information

No data available.

## 11.1.4. Toxicological Information

2,2',2"-Nitrotoltriethanol	Dermal Rat LD50: >2000 mg/kg	Oral Rat LD50: 6400 mg/kg
2-butoxyethanol	Dermal Rat LD50: 1100 mg/kg Inhalation Rat LC50/4 h: 11.0 mg/l	Oral Rat LD50: 1300 mg/kg
Ethanol: Ethyl Alcohol	Oral Rat LD50: 10470.0 mg/kg Inhalation Rat LC50/4 h: 20 mg/l	Dermal Rabbit LD50: 15800.0 mg/kg

## 11.2 Information on other hazards

No data is available on this product.

## SECTION 12: Ecological information

## Volvo Bird &amp; Bug Remover

Revision 20  
Revision date 2022-11-10

## 12.1. Toxicity

2,2',2"-Nitrilotriethanol	Daphnia EC50/48h: 2038.0000 mg/l Fathead minnows LC50/96h: 11800 mg/l	Algae EC50/72h: 512 mg/l
2-butoxyethanol	Daphnia EC50/48h: 1550.0000 mg/l Rainbow trout LC50/96h: 1474 mg/l EC50 for marine or freshwater organisms >100.0000 mg/l	Algae EC50/72h: 1840 mg/l LC50 for marine or freshwater organisms >100.0000 mg/l
Ethanol: Ethyl Alcohol	Daphnia EC50/48h: 12340.0000 mg/l Green Algae EC50/48h: >100mg/l Rainbow trout LC50/96h: 13000 mg/l NOEC / EC10 for marine or freshwater organisms 9.6000 mg/l	Algae EC50/72h: 275 mg/l Fathead minnows LC50/96h: 14200 mg/l Golden orfe LC50/48h: >100 mg/l

## 12.2. Persistence and degradability

	Substance biodegrades at a moderate rate and inherently biodegradable according to the OECD guide lines.
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## 12.3. Bioaccumulative potential

	The product is not bioaccumulating.
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## Partition coefficient

	Volvo Bird & Bug Remover No data available Ethanol: Ethyl Alcohol -0.35 log P	2,2',2"-Nitrilotriethanol -2.3 Log Pow 2-butoxyethanol 0.8 log P
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## 12.4. Mobility in soil

	This product is soluble in water.
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## 12.5. Results of PBT and vPvB assessment

	This substance/mixture is not classified as PBT or vPvB according to current criteria.
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## 12.6 Endocrine disrupting properties

	No data is available on this product.
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## 12.7. Other adverse effects

	No data is available on this product.
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## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

	Dispose of waste and residues in accordance with local authority requirements.
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## General information

	Dispose of in compliance with all local and national requirements.
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## Disposal of packaging

	Do NOT reuse empty containers. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.
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## SECTION 14: Transport information

## 14.1. UN number

	The product is not classified as dangerous for carriage.
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## 14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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## 14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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## Volvo Bird &amp; Bug Remover

Revision 20

Revision date 2022-11-10

## 14.4. Packing group

	The product is not classified as dangerous for carriage.
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## 14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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## 14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
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## 14.7 Maritime Transport in bulk according to IMO instruments

	The product is not classified as dangerous for carriage.
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**SECTION 15: Regulatory information**

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

<b>Regulations</b>	<p>REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).</p>
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## 15.2. Chemical safety assessment

	No information available.
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**SECTION 16: Other information**

## Other information

<b>Revision</b>	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> <li>2 - Other hazards.</li> <li>2 - Further information.</li> <li>2 - SUPPLEMENTAL HAZARD INFORMATION.</li> <li>5 - 5.2. Special hazards arising from the substance or mixture.</li> <li>9 - 9.2.2. Other safety characteristics.</li> <li>9 - 9.2.1. Information with regard to physical hazard classes.</li> <li>11 - Acute toxicity.</li> <li>11 - Repeated or prolonged exposure.</li> <li>11 - 11.2 Information on other hazards.</li> <li>12 - 12.1. Toxicity.</li> <li>12 - 12.6 Endocrine disrupting properties.</li> <li>12 - 12.7. Other adverse effects.</li> <li>15 - Regulations.</li> </ul>
<b>Text of Hazard Statements in Section 3</b>	<p>Acute Tox. 4: H302 - Harmful if swallowed.</p> <p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>Eye Dam. 1: H318 - Causes serious eye damage.</p> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life.</p> <p>Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.</p> <p>Flam. Liq. 2: H225 - Highly flammable liquid and vapour.</p>



# Volvo Bird & Bug Remover

Revision 20

Revision date 2022-11-10

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**Other information**

	Eye Irrit. 2: H319 - Causes serious eye irritation. Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled
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**Further information**

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
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