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**Safety Data Sheet**

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**Product Name:** GLASS CLEANER

**Creation Date:** 16/11/16

**Replaces:** 17/09/15

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

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**1.1. Product Identifier**

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SCOTTS GLASS CLEANER  
Aerosol

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

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Glass Cleaner

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

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Scotts Trading  
6 Hessary Street  
Poundbury, Dorchester  
Dorset, DT1 3SF  
Tel: +44 (0)1305 260555  
EM: [sales@scottstrading.com](mailto:sales@scottstrading.com)

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**1.4. Emergency telephone number**

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Tel: +44 (0)1305 260555

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**SECTION 2: Hazards Identification**

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**2.1 Classification of the substance or mixture**

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**Physical hazards:** Aerosol 1 - H222, H229

**Health hazards:** Not Classified

**Environmental hazards:** Not Classified

**Classification:** F+; R12  
(67/548/EEC or 1999/45/EC)

**Human Health:** Gas or vapour is harmful on prolonged exposure or in high concentrations. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

**Environmental:** This product is not expected to be hazardous to the environment.

**Physicochemical:** Aerosol containers can explode when heated, due to excessive pressure build-up. The product is extremely flammable. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

## 2.2 Label elements

### Label Elements (Pictogram):



**Signal word:** Danger.

**Hazard Statements:** H222: Extremely flammable aerosol.  
H229: Pressurised container: may burst if heated.

**Precautionary Statements:** P102: Keep out of reach of children.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211: Do not spray on an open flame or other ignition source.  
P251: Do not pierce or burn, even after use.  
P260: Do not breathe vapour/spray.  
P271: Use only outdoors or in a well-ventilated area.  
P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122 °F.  
P501: Dispose of contents/container in accordance with local regulations.

**Detergent labelling:** < 5% aliphatic hydrocarbons, < 5% perfumes.

## 2.3 Other hazards

**PBT:** This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### 2-BUTOXYETHANOL (Reach registration no: 012119475108-36)

EC no:	CAS	Classification (67/548/EEC or 1999/45/EC)	CLP Classification	Percent
203-905-0	111-76-2	Xn; R20/21/22 Xi; R36/38	Acute Tox. 4 - H302; Acute Tox. 4 - H312; Skin Irrit. 2 - H315; Eye Irrit. 2 - H319	1-5%

#### PETROLEUM GASES, LIQUEFIED

EC no:	CAS	Classification (67/548/EEC or 1999/45/EC)	CLP Classification	Percent
270-704-2	68476-85-7	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	Flam. Gas 1 - H220, Press. Gas, Liquefied H280	1-5%

#### PROPAN-2-OL (Reach registration no: 012119457558-25)

EC no:	CAS	Classification (67/548/EEC or 1999/45/EC)	CLP Classification	Percent
200-661-7	67-63-0	F; R11 Xi; R36 R67	Flam. Liq. 2 - H225; Eye Irrit. 2 - H319; STOT SE 3 - H336	1-5%

SODIUM NITRATE (Reach registration no: 012119471836-27)

EC no:	CAS	Classification (67/548/EEC or 1999/45/EC)	CLP Classification	Percent
231-555-9	7632-00-0 M factor (Acute) = 1	O; R8 T; R25 N; R50	Ox. Sol. 3 - H272; Acute Tox. 3 - H301; Eye Irrit. 2 - H319; Aquatic Acute 1 - H400	<1%

HYRDOCARBONS C11-C13 ISOALKANES, &lt;2% AROMATICS (Reach registration no: 012119456810-40)

EC no:	CAS	Classification (67/548/EEC or 1999/45/EC)	CLP Classification	Percent
920-901-0	90622-58-5	Xn; R65. R66.	Asp. Tox. 1: H304	1%

The full test for all R-Phrases and Hazard statements are displayed in Section 16.

## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures

<b>Contact with eyes:</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.
<b>Skin contact:</b>	Remove contaminated clothing immediately and wash skin with soap and water.
<b>Ingestion:</b>	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
<b>Inhalation:</b>	If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.
<b>General:</b>	Move affected person to fresh air at once.

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

<b>General information:</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the Doctor:</b>	Treat symptomatically.
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## SECTION 5: Firefighting Measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media:</b>	Extinguish with foam, carbon dioxide, dry powder or water fog.
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### 5.2. Special hazards arising from the substance or mixture

<b>Specific Hazards:</b>	Containers can burst violently or explode when heated, due to excessive pressure build up. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of
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ignition and flash back. Extremely flammable. Forms explosive mixtures with air.

### 5.3 Advice for Fire fighters

**Protective actions during firefighting:** Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours. Warn firefighters that aerosols are involved.

## SECTION 6: Accidental Release Measures

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

**Personal precautions:** Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate. Avoid inhalation of vapours.

### 6.2 Environmental precautions

**Environmental precautions:** Avoid the spillage of runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other non-combustible material.

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

**Methods for cleaning up:** Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Leave small quantities to evaporate, if safe to do so. Do not allow material to enter confined spaces, due to the risk of explosion. Absorb spillage with non-combustible, absorbent material.

### 6.4. Reference to other sections

For personal protection, see Section 8.  
For waste disposal, see Section 13.

## SECTION 7: Handling & Storage

### 7.1. Precautions for safe handling

**Usage precautions:** Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Do not spray on a naked flame or any incandescent material. Eliminate all sources of ignition.

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

**Storage precautions:** Extremely flammable. Keep away from heat, sparks and open flame. Store at moderate temperatures in a dry, well ventilated area. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

### 7.3. Specific end use(s)

Car Care - see Section 1.2.

**SECTION 8: Exposure Controls & Personal Protection****8.1. Control parameters Occupational exposure limits****2-BUTOXYETHANOL**

	LTEL 8 hr TWA	15 min. STEL	8 hour TWA	15 min STEL
UK	WEL 25ppm (Sk) 123mg/m <sup>3</sup>	WEL 50ppm (Sk)		

**PETROLEUM GASES, LIQUIFIED; PETROLEUM GAS**

	LTEL 8 hr TWA	15 min. STEL	8 hour TWA	15 min STEL
UK	WEL 1000ppm 1750mg/m <sup>3</sup>	WEL 1250ppm 2180mg/m <sup>3</sup>		

**PROPAN-2-OL**

	LTEL 8 hr TWA	15 min. STEL	8 hour TWA	15 min STEL
UK	WEL 400ppm 999mg/m <sup>3</sup>	WEL 500ppm 1250mg/m <sup>3</sup>		

**SODIUM NITRATE**

	LTEL 8 hr TWA	15 min. STEL	8 hour TWA	15 min STEL
UK	No std.			

**HYRDOCARBONS C11-C13 ISOALKANES, <2% AROMATICS**

	LTEL 8 hr TWA	15 min. STEL	8 hour TWA	15 min STEL
UK	SUP 177ppm 1200mg/m <sup>3</sup>			

**WEL = Workshop Exposure Limit**

**Ingredient Comments: Propan-2-OL (CAS: 67-63-0)**

**DNEL:**  
 Industry - Dermal; Long Term systemic effects: 888 mg/kg/day  
 Industry - Inhalation; Long term systemic effects 500mg/ m<sup>3</sup>  
 Consumer - Dermal; Long Term systemic effects: 319 mg/kg/day  
 Consumer - Dermal; Long Term systemic effects: 26 mg/kg/day  
 Consumer - Inhalation; Long term systemic effects 89mg/ m<sup>3</sup>

**PNEC:**  
 - Fresh Water; 140.9 mg/l  
 - Marine Water; 140.9 mg/l  
 - Intermittent release; 140.9 mg/l  
 - Sediment (Freshwater); 552 mg/kg  
 - Sediment (Marine water); 552 mg/kg  
 - STP; 2251 mg/l  
 - Soil; 28 mg/kg

**8.2 Exposure controls**

**Engineering measures:** Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.

**Respiratory protection:** If ventilation is inadequate, suitable respiratory protection must be worn.

**Hand protection:** Due to the packaging form (aerosol), risk of contact is small. Chemical resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

<b>Eye/face protection:</b>	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn; Chemical splash goggles.
<b>Personal protection:</b>	Do not eat, drink or smoke when using this product.
<b>Hygiene measures:</b>	Wash hands after handling. Wash promptly if skin becomes contaminated. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of the skin.

## SECTION 9: Physical & Chemical Properties

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

<b>Appearance: physical state:</b>	Aerosol.
<b>Colour:</b>	Clear.
<b>Odour:</b>	Characteristic.
<b>Initial boiling point &amp; range:</b>	-40 to -2°C @ 1013 hPa.
<b>Upper/lower flammability or explosive limits:</b>	Lower: 1.8% - Upper 9.5%.
<b>Flashpoint:</b>	< -40C.
<b>Partition coefficient:</b>	log Pow: ca. 2.3 to 2.8.
<b>Auto-ignition temperature:</b>	410-580°C.
<b>Vapour pressure:</b>	ca. 590 to 1760 kPa @ 45°C.
<b>Vapour density:</b>	ca. 1.5 at 15°C.
<b>Comments:</b>	Information given is applicable to the major ingredient.

### 9.2. Other information

No data available.

<b>Volatile organic compound:</b>	This product contains a maximum VOC content of 105 g/l.
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## SECTION 10: Stability & Reactivity

### 10.1. Reactivity

Stable at normal ambient temperatures and when used as recommended.

### 10.2. Chemical stability

Avoid the following conditions: Heat, Sparks, Flames.

### 10.3. Possibility of hazardous reactions

Does not decompose when used and stored as recommended.

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition, Avoid exposing aerosol containers to high temperatures or direct sunlight.

### 10.5 Incompatible materials

Keep away from oxidising materials, heat and flames.

### 10.6. Hazardous decomposition products

Hazardous decomposition – does not decompose when used and stored as recommended. Thermal decomposition or products combustion may include the following substances: Toxic and corrosive gases or vapours.

## SECTION 11: Toxicological Information

### 11.1. Information on toxicological effects – Acute toxicity – Oral

**ATE oral (vapours mg/l):** 9.259.26

**Acute Toxicity – dermal:**

**ATE dermal (vapours mg/l):** 22.448.98

**General information:** Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

**Inhalation:** In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Unconsciousness, possibly death.

**Skin contact:** Skin irritation should not occur when used as recommended. Repeated exposure may cause skin dryness or cracking.

**Eye contact:** Vapour or spray in the eyes may cause irritation and smarting.

**Acute and chronic health: Hazards** Arrhythmia (deviation from normal heartbeat). In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

**Route of entry:** Inhalation.

**Target organs:** Central nervous system – Respiratory system, lungs.

**Medical symptoms:** Arrhythmia (deviation from normal heartbeat). Narcotic effect. Vapours may cause drowsiness and dizziness.

**Ecotoxicity:** No negative effects on the aquatic environment are known. Not regarded as dangerous for the environment.

**SECTION 12: Ecological Information****12.1. Toxicity**

Not available.

**12.2. Persistence and Degradability**

Not available.

**12.3. Bioaccumulative potential**

Not available.

**Partition coefficient:** log Pow: ca. 2.3 to 2.8.**12.4. Mobility in soil**

Not known.

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

Not available.

**12.6. Other adverse effects**

Not available.

**SECTION 13: Disposal Considerations****13.1. Waste treatment methods****General information:** Do not puncture or incinerate when empty.**Disposal methods:** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Containers should be thoroughly emptied before disposal because of the risk of explosion. Empty containers must not be punctured or incinerated because of the risk of explosion.**SECTION 14: Transport Information****General:** This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg weight to be exempt from control providing, they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed and labelled must show the following.**14.1. UN number****UN No. (ADR/RID):** 1950**UN No. (IMDG):** 1950**UN No. (ICAO):** 1950



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**14.2. UN proper shipping name**

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**Proper shipping name:** AEROSOLS.  
**(ADR/RID)**

**Proper shipping name:** AEROSOLS.  
**(IMDG)**

**Proper shipping name (ICAO):** AEROSOLS.

**Proper shipping name (ADN):** AEROSOLS.

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**14.3. Transport hazard class(es)**

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**ADR/RID class:** 2.1

**ADR/RID label:** 2.1

**IMDG class:** 2.1

**ICAO class/division:** 2.1

**Transport labels:**



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**14.4. Packing group**

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Not applicable.

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**14.5 Environmental hazards**

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**Environmentally hazardous:** No.

**Marine Pollutant:** No.

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**14.6. Special Precautions for User**

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**EmS:** F-D, S-U

**Tunnel restriction code:** D.

**Transport category:** 2.

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**14.7. Transport in bulk according to Annex 11 of MARPOL73/78 and the IBC code**

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**Transport in bulk according to Annex 11 of MARPOL73/78 and the IBC code** Not applicable.

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

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**National regulations:** The Chemicals (Hazard information and packaging for Supply) Regulations 2009 (SI 2009 No. 716).

**SECTION 15: Regulatory Information**

<b>EU legislation:</b>	Commission Regulation (EU) No 453/2010 of 20/5/2010.
<b>Guidance:</b>	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131. British Aerosol Manufactures Code of Practice 7th. Edition 1999.

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other Information****Revision phrases in full:**

- R11: Highly flammable.
- R12: Extremely flammable.
- R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
- R25: Toxic if swallowed.
- R36/38: Irritating to eyes and skin.
- R50: Very toxic to aquatic organisms.
- R38: Irritating to skin.
- R67: Vapours may cause drowsiness and dizziness.
- R8: Contact with combustible material, may cause fire.

**Hazard Statements in full:**

- H220: Extremely flammable gas.
- H222: Extremely flammable aerosol.
- H225: Highly flammable liquid and vapour.
- H229: Pressurised container: May burst if heated.
- H272: May intensify fire; oxidiser.
- H280: Contains gas under pressure; may explode if heated.
- H301: Toxic if swallowed.
- H302: Harmful if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H312: Harmful in contact with skin.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.
- H400: Very toxic to aquatic life.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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