

Technical Data

GLASS CLEANER 180 FOR A BRILLIANTLY CLEAN FINISH

GLASS CLEANER has been formulated using a special blend of surfactants, alcohols and inhibitors to produce a sparkling, smear-free finish on all glazed and ceramic surfaces.

APPLICATIONS

Quick and easy to use. Glass cleaner leaves no residues and is ideal for use on:

- Television Screens
- Photocopiers
- Computer Monitors
- Windows
- Mirrors
- Ceramic Tiles
- Amusement Machines
- Juke Boxes
- Windscreens

Apply a light, even coating and simply wipe away with a clean, absorbent, lint-free cloth or tissue to produce a brilliant finish.

TECHNICAL DATA

Appearance	:	Clear, colourless liquid
Odour	:	Perfumed
SG @ 25°C	:	0.91
Pressure @ 25°C	:	3 Bar
Discharge Rate	:	1.34 g/sec
Solubility	:	Soluble in water and alcohols, insoluble in hydrocarbon solvents
Flammability	:	Classified as extremely flammable under CHIP Regulations
Flashpoint	:	Not applicable in sealed aerosol
Packaging	:	200ml aerosol

STORAGE

The product may be stored at normal ambient temperatures and has a shelf life of not less than 12 months with correct storage. Aerosols should always be stored below 50°C, away from direct heat and naked flame.

HEALTH AND SAFETY

Health and Safety sheet available separately.

MISREPRESENTATION ACT 1967

TRADE DESCRIPTIONS ACT 1968

The information given in this publication is based on our experience and reports from customers. There are many factors outside our control and knowledge which affect the use and performance of our products and for which reason no warranty is given, express or implied. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purposes. Statements concerning the use of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is to be assumed.

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Material Safety Data Sheet

Regulation EC No 1907/2006 Art.31

Productname : SERVISOL GLASS CLEANER 185
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1. IDENTIFICATION OF PRODUCT AND COMPANY

Productname : SERVISOL GLASS CLEANER 185
 Aerosol

Application : Cleaners - Heavy duty

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2. HAZARD IDENTIFICATION

Health and Safety : Extremely Flammable
 Irritating to eyes.
 Vapours may cause drowsiness and dizziness.

3. COMPOSITION AND INFORMATION ON COMPONENTS

Hazardous ingredient	CAS-nr	EINECS	w/w %	symbol	R-phrases*	Notes
ammonia %	1336-21-6	215-647-6	0-1	C,N	34-50	
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	200-661-7	30-60	F,Xi	11-36-67	

Hazardous ingredient	CAS-nr	EINECS	w/w %	symbol	R-phrases*	Notes
Hydrocarbons,C3-4-rich, petroleum distillate Petroleumgas (1,3-butadiene < 0.1%)	68512-91-4	270-990-9	10-30	F+	12	K
Explanation notes						
K : not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (Einecs-nr. 203-450-8)						

(* Explanation risk-phrases : see chapter 16)

4. FIRST AID MEASURES

General Advice :	The usual precautions for handling chemicals should be observed If any symptoms should occur, seek medical advice.
Contact with eyes :	If substance has got into eyes, immediately wash out with plenty of water Seek medical advice
Contact with skin :	Wash with water and soap. Seek medical attention if irritation persists
Inhalation :	Fresh air, keep warm and at rest.
Ingestion :	Ingestion is unlikely to occur If swallowed accidentally, do not induce vomiting and seek medical advice.

5. FIRE-FIGHTING MEASURES

Flash point (without propellant):	not applicable
Explosion limits : upper limit :	not available
lower limit :	not available
Extinguishing media :	foam, carbon dioxide or dry agent
Fire-fighting procedures :	Keep container(s) exposed to fire cool, by spraying with water
Unusual exposure hazard :	Aerosols may explode if heated above 50°C

6. ACCIDENTAL RELEASE MEASURES

Personal precautions :	Shut off all ignition sources Ensure adequate ventilation
Environmental precautions :	Do not allow to enter public sewers and watercourses
Cleaning methods :	Absorb spillage in suitable inert material

7. HANDLING AND STORAGE

Handling procedures :	Use only in well ventilated areas Do not pierce or burn aerosols, even after use. Do not spray on a naked flame or incandescent material. Do not breathe aerosols or vapours. Avoid contact with skin and eyes.
Storage procedures :	Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.

Keep in a cool, dry, well ventilated place
Keep out of reach of children.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Control procedures :	Ensure adequate ventilation Keep away from heat and sources of ignition
Personal protection :	It is advisable to take precautions to avoid contact with skin and eyes when handling the product. Wear safety goggles. Use only in well ventilated areas

9. PHYSICAL AND CHEMICAL PROPERTIES (for aerosols without propellant)

Apperance : physical state :	Liquid under pressure
colour :	colourless
odour :	Characteristic odour
Boiling point/range :	not available
Relative density :	0.933 g/cm ³ (@ 20°C)
pH :	not available
Vapour pressure :	not available
Relative vapour density :	not available
Solubility in water :	Miscible with water
Flash point :	not applicable
Auto-ignition :	not available
Viscosity :	not available
Evaporation rate :	not available

10. STABILITY AND REACTIVITY

Conditions to be avoided :	Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from heat and sources of ignition No hazardous reactions known if used for its intended purpose
Materials to be avoided :	Strong oxidising agent
Hazardous decomposition compounds :	carbon oxides

11. TOXICOLOGICAL INFORMATION

Inhalation :	Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion :	Ingestion is unlikely to occur After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.
Skin contact :	Prolonged skin contact will result in defatting of the skin
Eye contact :	Irritating to eyes
Other information:	No experimental data available

12. ECOLOGICAL INFORMATION

Other adverse effects : Do not allow to enter public sewers and watercourses
No experimental data available

13. WASTE DISPOSAL

National regulations : Disposal should be in accordance with local, state or national legislation

14. TRANSPORT

UN-number :	1950
Road/Rail - ADR/RID :	UN1950 Aerosols Class : 2, PG : NA, Class code : 5F, Label : 2.1
Sea - IMDG :	UN1950 Aerosols Ltd Qty Class : 2.1, PG : NA, Label : 2.1
EmS	F-D,S-U
Air - IATA/ICAO :	UN1950 Aerosols, flammable Class : 2.1, PG : NA, Label : RFG
Packing instr. LQ	Y203
PAX	203
CAO	203

15. REGULATORY INFORMATION

Warning symbol(s) :	F+,Xi
Risk-phrase(s) :	R12: Extremely flammable. R36: Irritating to eyes. R67: Vapours may cause drowsiness and dizziness.
Safety-phrase(s) :	S2: Keep out of the reach of children. S16: Keep away from sources of ignition - No smoking. S23: Do not breathe spray. S25: Avoid contact with eyes. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S51: Use only in well-ventilated areas.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.

Regulation (EC) No 648/2004 on detergents:	aliphatic hydrocarbons	5 - 15 %
	perfumes.	hexyl cinnamal, hydroxycitronellal

16. OTHER INFORMATION

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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***Explanation risk-phrases:**

R11: Highly flammable.

R12: Extremely flammable.

R34: Causes burns.

R36: Irritating to eyes.

R50: Very toxic to aquatic organisms.

R67: Vapours may cause drowsiness and dizziness.

This Material Safety Data Sheet may already have been revised at this moment for reason such as legislation, availability of components and newly acquired experiences. The latest and only valid version of this Material Safety Data Sheet will be sent to you upon simple request or can be found on our website : www.crcind.com. We recommend you to register on this website for this product so you will be able to receive any future updated version automatically.