

## Glass Cleaner, 18 Wt Oz No. 05401 | Item# 1003804 | Case# 1003803

Product Description

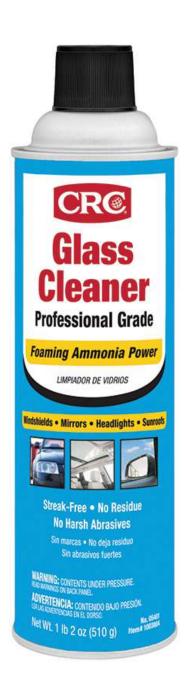
	surfaces.
Applications	Glass, mirrors
Unit Package Description	20 Ounce Aerosol
Brand	CRC
Generic Description 1	Glass Cleaner
Net Fill	18 Wt Oz
UPC Code	078254054018
Unit Dimensions	9.25H x 2.63W x 2.63D in
Units Per Case	12
Case Dimensions	9.7H x 8.3W x 11.1D in
Cases Per Pallet	114
Case Weight	16 lbs
I 2 of 5 Code	30078254054019
Appearance	Clear Liquid
Base Type	Water Based
Flash point (F)	None
Flash point (C)	None
Flammability Class - CPSC	None
Spec Gravity Concentrate	1.0
рН	10.5
Plastic Safe	Yes
Evaporation Rate	Slow
Propellant	Hydrocarbon
Aerosol Flammability Level	I
DOT Proper Shipping Name	Aerosols, Non-Flammable, Limited Quantity
VOC % (Consumer Product def)	9.6

Cuts through dirt, dust, fingerprints and haze deposits. Provides streak-free glass cleaning even on delicate glass



Chemical Solutions to Keep You Moving.





VOC g/L (Consumer Product def) VOC lbs/gal (Consumer Prod def) VOC Category

Removal (How To)

95.1

0.8

Glass Cleaners - Aerosol Remove with water.







## 1. Identification

Product identifier	Glass Cleaner - 18 oz	
Other means of identification		
Product Code	No. 05401 (Item# 1003804)	
Recommended use	Glass cleaner	
<b>Recommended restrictions</b>	None known.	
Manufacturer/Importer/Supplier/Distributor information		

## 2. Hazard(s) identification

Physical hazards	Gases under pressure	Liquefied gas
Health hazards	Not classified.	
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 3
	Hazardous to the aquatic environment, long-term hazard	Category 3
OSHA defined hazards	Not classified.	
Label elements		
Signal word Hazard statement	Warning Contains gas under pressure; may explode if h life with long lasting effects.	heated. Harmful to aquatic life. Harmful to aquatic
Precautionary statement	ine with long lasting chects.	
Prevention		ot expose to heat or store at temperatures above 49 on doors and windows or use other means to ensure the environment.
Response	Wash hands after handling.	
Storage	Protect from sunlight. Store in a well-ventilated can to burst.	d place. Exposure to high temperature may cause
Disposal	Dispose of contents/container in accordance v	vith local/regional/national regulations.
Hazard(s) not otherwise classified (HNOC)	None known.	
Supplemental information	None.	

## 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
water		7732-18-5	80 - 90
liquefied petroleum gas		68476-86-8	5 - 10
2-butoxyethanol		111-76-2	1 - 3
ethanol		64-17-5	1 - 3
ammonia		7664-41-7	< 1

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

#### 4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Call a POISON CENTER or doctor/physician.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 5. Fire-fighting measures

Suitable extinguishing media Unsuitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Pressurized container may rupture when exposed to heat or flame. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Fire-fighting equipment/instructions	In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up.
General fire hazards	Contents under pressure. Pressurized container may rupture when exposed to heat or flame.

### 6. Accidental release measures

protective equipment and emergency procedures	low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). This product is miscible in water. Prevent product from entering drains. Stop the flow of material, if this is without risk. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

### 7. Handling and storage

**Precautions for safe handling**Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. For product usage instructions, see the product label.

Level 1 Aerosol.

Contents under pressure. Do not expose to heat or store at temperatures above 120 °F/49 °C as can may burst. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store in a well-ventilated place.

### 8. Exposure controls/personal protection

#### **Occupational exposure limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Lin Components		Туре		/alue
2-butoxyethanol (CAS 111-76-2)		PEL	2	240 mg/m3
			Ę	50 ppm
ammonia (CAS 7664-41-	-7)	PEL	3	35 mg/m3
			Ę	50 ppm
ethanol (CAS 64-17-5)		PEL		1900 mg/m3
				1000 ppm
US. ACGIH Threshold L	imit Values			
Components		Туре	١.	/alue
2-butoxyethanol (CAS 111-76-2)		TWA	2	20 ppm
ammonia (CAS 7664-41-	-7)	STEL	3	35 ppm
		TWA		25 ppm
		IVVA	-	-0 ppm
ethanol (CAS 64-17-5)		STEL		1000 ppm
	de to Chemical Ha	STEL		
	de to Chemical Ha	STEL		
US. NIOSH: Pocket Gui	de to Chemical Ha	STEL		1000 ppm
US. NIOSH: Pocket Gui Components 2-butoxyethanol (CAS	de to Chemical Ha	STEL zards Type	 	1000 ppm /alue
US. NIOSH: Pocket Gui Components 2-butoxyethanol (CAS 111-76-2)		STEL zards Type		24 mg/m3
US. NIOSH: Pocket Gui Components 2-butoxyethanol (CAS 111-76-2)		STEL zards Type TWA		1000 ppm /alue 24 mg/m3 5 ppm
US. NIOSH: Pocket Gui Components 2-butoxyethanol (CAS 111-76-2)		STEL zards Type TWA		24 mg/m3 5 ppm 27 mg/m3
US. NIOSH: Pocket Gui Components 2-butoxyethanol (CAS 111-76-2)		STEL Izards Type TWA STEL		/alue 24 mg/m3 5 ppm 27 mg/m3 35 ppm
US. NIOSH: Pocket Gui Components 2-butoxyethanol (CAS		STEL Izards Type TWA STEL		/alue /4 mg/m3 5 ppm 27 mg/m3 35 ppm 18 mg/m3
US. NIOSH: Pocket Gui Components 2-butoxyethanol (CAS 111-76-2) ammonia (CAS 7664-41-		STEL Type TWA STEL TWA		/alue 24 mg/m3 5 ppm 27 mg/m3 35 ppm 18 mg/m3 25 ppm
US. NIOSH: Pocket Gui Components 2-butoxyethanol (CAS 111-76-2) ammonia (CAS 7664-41- ethanol (CAS 64-17-5)		STEL Type TWA STEL TWA		/alue /4 mg/m3 5 ppm 27 mg/m3 35 ppm 18 mg/m3 25 ppm 1900 mg/m3
US. NIOSH: Pocket Gui Components 2-butoxyethanol (CAS 111-76-2) ammonia (CAS 7664-41- ethanol (CAS 64-17-5)	.7)	STEL Type TWA STEL TWA		/alue /4 mg/m3 5 ppm 27 mg/m3 35 ppm 18 mg/m3 25 ppm 1900 mg/m3
US. NIOSH: Pocket Gui Components 2-butoxyethanol (CAS 111-76-2) ammonia (CAS 7664-41- ethanol (CAS 64-17-5) ogical limit values	.7)	STEL Type TWA STEL TWA		/alue /4 mg/m3 5 ppm 27 mg/m3 35 ppm 18 mg/m3 25 ppm 1900 mg/m3

with hydrolysis

\* - For sampling details, please see the source document.

#### Exposure guidelines

US - California OELs: Skin designation	
2-butoxyethanol (CAS 111-76-2)	Can be absorbed through the skin.
US - Minnesota Haz Subs: Skin designation applie	es
2-butoxyethanol (CAS 111-76-2)	Skin designation applies.
US - Tennessee OELs: Skin designation	
2-butoxyethanol (CAS 111-76-2)	Can be absorbed through the skin.
US NIOSH Pocket Guide to Chemical Hazards: Sk	in designation
2-butoxyethanol (CAS 111-76-2)	Can be absorbed through the skin.

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

2-butoxyethanol (CAS	111-76-2) Can be absorbed through the skin.
Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Individual protection measure	s, such as personal protective equipment
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	Wear protective gloves such as: Nitrile. Rubber.
Other	Wear suitable protective clothing.
Respiratory protection	If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

# 9. Physical and chemical properties

-	
Appearance	
Physical state	Liquid.
Form	Aerosol.
Color	Clear.
Odor	Ammoniacal.
Odor threshold	Not available.
рН	10.5
Melting point/freezing point	Not available.
Initial boiling point and boiling range	212 °F (100 °C) estimated
Flash point	None.
Evaporation rate	Slow.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	1.3 % estimated
Flammability limit - upper (%)	25 % estimated
Vapor pressure	280.3 hPa estimated
Vapor density	> 1 (air = 1)
Relative density	0.97 estimated
Solubility(ies)	
Solubility (water)	Soluble.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	446 °F (230 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Percent volatile	99.6 % estimated
10. Stability and reactivity	/
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.

# Chemical stability

The product is stable and non-reactive under normal conditions of use, storage and transport. Material is stable under normal conditions.

Material name: Glass Cleaner - 18 oz

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No. 05401 (Item# 1003804) Version #: 01 Issue date: 03-19-2019

IARC Monographs. Overall I	Evaluation of Carcinogenicity
2-butoxyethanol (CAS 11	1-76-2) 3 Not classifiable as to carcinogenicity to humans.
OSHA Specifically Regulate	d Substances (29 CFR 1910.1001-1052)
Not regulated.	
US. National Toxicology Pro	ogram (NTP) Report on Carcinogens
Not listed.	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not classified.
Chronic effects	May be harmful if absorbed through skin. Prolonged inhalation may be harmful.
	2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

## 12. Ecological information

otoxicity	Harmful to	o aquatic life with long lasting effects.	
Components		Species	Test Results
2-butoxyethanol (CAS	111-76-2)		
Aquatic			
Fish	LC50	Inland silverside (Menidia beryllina)	1250 mg/l, 96 hours
ammonia (CAS 7664-4	1-7)		
Aquatic			
Fish	LC50	Chinook salmon (Oncorhynchus tshawytscha)	0.43 - 0.47 mg/l, 96 hours
ethanol (CAS 64-17-5)			
Aquatic			
Acute			
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	5012 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	> 10000 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

#### Persistence and degradability

#### **Bioaccumulative potential**

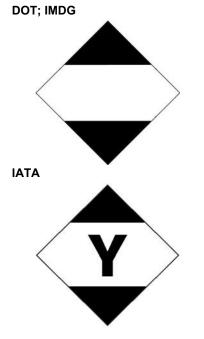
	Partition coefficient n-od	ctanol / water (log Kow)	
Mobility in soilNo data available.Other adverse effectsNo other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation)	2-butoxyethanol	0.83	
Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation	ethanol	-0.31	
	Mobility in soil	No data available.	
	Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

13. Disposal considerations

Disposal instructions	The dispensed liquid product is not a RCRA hazardous waste (See 40 CFR Part 261.20 - 261.33). Empty container can be recycled. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with all applicable regulations.
Hazardous waste code	Not regulated.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

# 14. Transport information

DOT	
UN number	UN1950
UN proper shipping name	Aerosols, non-flammable, Limited Quantity
Transport hazard class(es)	
Class	2.2
Subsidiary risk	-
Label(s)	2.2
Packing group	Not applicable.
	Read safety instructions, SDS and emergency procedures before handling.
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None
ΙΑΤΑ	
UN number	UN1950
UN proper shipping name	Aerosols, non-flammable, Limited Quantity
Transport hazard class(es)	
Class	2.2
Subsidiary risk	-
Packing group	Not applicable.
ERG Code	2L
	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo	Allowed with restrictions.
aircraft	
Cargo aircraft only	Allowed with restrictions.
IMDG	
UN number	
UN proper shipping name	AEROSOLS, Limited Quantity
Transport hazard class(es)	
Class	2.2
Subsidiary risk	-
Packing group	Not applicable.
Environmental hazards	
Marine pollutant	No.
EmS	Not available.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.



# 15. Regulatory information

US federal regulations	This product			ory List. d by the OSHA Hazard	Communication
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)					
Not regulated. SARA 304 Emergency	release notific	ation			
Not regulated. OSHA Specifically Reg	ulated Substa	nces (29 CFR	1910.1001-1052)		
Not regulated. US EPCRA (SARA Title					
•	2-butoxyethanol (CAS 111-76-2) CERCLA Hazardous Substance List (40 CFR 302.4)				
2-butoxyethanol (CA CERCLA Hazardous Su Not listed.	,	portable quan	tity		
Spills or releases resultin Response Center (800-4					ion to the National
Other federal regulations					
Clean Air Act (CAA) Sectio	n 112 Hazardo	us Air Polluta	nts (HAPs) List		
Not regulated. Clean Air Act (CAA) Sectio	n 112(r) Accide	ental Release	Prevention (40 CFR 6	8.130)	
Not regulated.					
Safe Drinking Water Act (SDWA)	Not regulate	d.			
FEMA Priority Substan	ces Respirato	ry Health and	Safety in the Flavor N	lanufacturing Workpla	ice
ethanol (CAS 64-17	-5)		Low priority		
Food and Drug Administration (FDA)	Not regulate	d.			
Superfund Amendments and R Classified hazard categories	eauthorization Gas under p	-	SARA)		
SARA 302 Extremely hazar	dous substan	се			
Chemical name CA	AS number	Reportable quantity (pounds)	Threshold planning quantity (pounds)	Threshold planning quantity, lower value (pounds)	Threshold planning quantity, upper value (pounds)
ammonia 76	64-41-7	100	500		
SARA 311/312 Hazardous chemical	Yes				
SARA 313 (TRI reporting)					
Chemical name		C	AS number	% by wt.	
2-butoxyethanol ammonia			111-76-2 7664-41-7	1 - 3 < 1	
US state regulations					
US. New Jersey Worker and	d Community	Right-to-Know	/ Act		
2-butoxyethanol (CAS 1 ammonia (CAS 7664-41 ethanol (CAS 64-17-5)	-7)				
US. Massachusetts RTK - S 2-butoxyethanol (CAS 1	11-76-2)				
ammonia (CAS 7664-41 ethanol (CAS 64-17-5)	-1)				
US. Pennsylvania Worker a	nd Communit	y Right-to-Kno	ow Law		
2-butoxyethanol (CAS 1 ammonia (CAS 7664-41 ethanol (CAS 64-17-5)	11-76-2)	-			
Material name: Glass Cleaner - 18 c					

### US. Rhode Island RTK

ammonia (CAS 7664-41-7) ethanol (CAS 64-17-5)

#### **California Proposition 65**



WARNING: Cancer and Reproductive Harm

California Proposition	65 - CRT: Listed date/Carcinogenic substance	
methyl isobutyl keto	ne (CAS 108-10-1) Listed: November 4, 2011	
California Proposition	65 - CRT: Listed date/Developmental toxin	
methanol (CAS 67-5		
methyl isobutyl keto	ne (CAS 108-10-1) Listed: March 28, 2014 Ite Chemicals List. Safer Consumer Products Regulations (Ca	al Cada Baga tit 22 60502 2
subd. (a))	the Chemicals List. Saler Consumer Products Regulations (Ca	al. Code Regs, III. 22, 69502.3,
2-butoxyethanol (CA	S 111-76-2)	
ammonia (CAS 766	4-41-7)	
liquefied petroleum	gas (CAS 68476-86-8)	
Volatile organic compounds (Vo	DC) regulations	
EPA		
VOC content (40 CFR 51.100(s))	9.6 %	
Consumer products (40 CFR 59, Subpt. C)	Compliant	
State		
Consumer products	This product is regulated as a Glass Cleaner (aerosol). This prostates.	oduct is compliant for use in all 50
VOC content (CA)	9.6 %	
VOC content (OTC)	9.6 %	
International Inventories		
Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
*A "Vee" indicates that all some		

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### 16. Other information, including date of preparation or last revision

Issue date	03-19-2019
Prepared by	Allison Yoon
Version #	01
Further information	CRC # 411A/1002393

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Revision information	This document has undergone significant changes and should be reviewed in its entirety.