



Safety Data Sheet

Glass Cleaner Concentrate

Section 1. Identification

Product Name : GLASS CLEANER CONCENTRATE—BLUE

Other means of identification : 910

Product type : Liquid

Identified uses : Glass Cleaner

Supplier's details : **AAP ENTERPRISES**
1661 Pacific Ave. Unit 16
Oxnard, CA 93033

Office: 805-486-1000
E-mail: allamericanproducts@verizon.net

Emergency telephone number (with hours of operation) : CHEMTREC, U.S. : 1-800-424-9300 International: +1-703-527-3887
 (24/7)

Section 2. Hazards Identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the Substance or mixture : Flammable liquid - Category 3
 SERIOUS EYE DAMAGE/EYE IRRITATION—Category 2A

GHS label elements
Hazard pictograms :



Signal word : Warning

Hazard statements : Flammable liquid and vapor. Causes serious eye irritation⁶

Precautionary statements

Prevention : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
 No smoking

Response : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs, get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage : Store in a well-ventilated place. Keep cool.



Section 2. Hazards Identification

Disposal	:	Dispose of contents/container to industrial combustion plant..
Supplemental label elements	:	Do not taste or swallow. Wash thoroughly after handling.
Hazards not otherwise classified	:	None known.

Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Other means of identification	:	Not available

CAS number/other identifiers

CAS number	:	Not applicable
Product code	:	910

Ingredient name	%	CAS Number
Isopropyl alcohol	10 - <25	67-63-0
2-Butoxyerhanol	1 - 5	111-76-2

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular, or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Maintain an open airway. Get medical attention if symptoms occur.
Skin contact	:	Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention if symptoms occur.
Ingestion	:	Wash out mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	:	Causes serious eye irritation.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	Causes skin irritation.
Ingestion	:	No known significant effects or critical hazards.



Section 4. First aid measures

Over-exposure signs/symptoms

Eye contact	:	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	Adverse symptoms may include the following: irritation redness
Ingestion	:	No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	:	In case of inhalation of decomposition products in a fire symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	:	Water spray, alcohol resistant foam, BC-powder, carbon dioxide (CO ₂)
Unsuitable extinguishing media	:	Water jet.
Specific hazards arising	:	In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Explosive when mixed with combustible material.
Hazardous combustion products	:	nitrogen oxides (NO _x), carbon monoxide (CO), carbon dioxide (CO ₂)
Special protective equipment for fire-fighters	:	In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.



Section 6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures

- For non-emergency personnel** : Remove persons to safety
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel"
- Environmental precautions** : Avoid dispersal of spilled material, runoff, and contact with soil, waterways, drains and sewers. Retain contaminated washing water and dispose it.

Methods and materials for containment and cleaning up

- Spill** : Stop leak if without risk. Move containers from spill area.
Prevent entry into sewers, water courses, basements or confined areas.
Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.
Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition. No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapors into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools.
- Warning** : Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air, Vapors may form explosive mixtures with air.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
2-butoxyethanol cas #111-76-2	Identifier: PEL/ TWA (ppm)- 50/ TWA (mg/m3) 240/ Source 29 CFR OSHA
Isopropyl alcohol cas #67-63-0	Identifier: PEL/ TWA (ppm) 400 / RWA (mg/m3)980 / Source: 29 CFR OSHA



Section 8. Exposure controls/personal protection

Appropriate engineering controls	:	General ventilation
Environmental exposure controls	:	Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.
Individual protection measures		
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory, and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gasses or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state	:	Liquid
Color	:	Blue
Odor	:	alcohol
Odor threshold	:	Not available
pH	:	7.0 - 8.0
Melting point	:	Not available
Boiling point	:	82.5 °C
Flash point	:	34 °C at 101.3 kPa 93 °F at 1 atm closed cup)
Evaporation rate	:	Not determined
Flammability (solid, gas)	:	not relevant (fluid)
Lower and upper explosive (flammable) limits	:	Not available
Vapor pressure	:	31.69 hPa at 25 °C
Vapor density	:	0.9798 g/ml ar 25°C 8.15 lbs/US Gal
Relative density	:	Not available
Solubility	:	Not available
Partition coefficient: n-octanol/water	:	Not available
Auto-ignition temperature	:	230 °C
Decomposition temperature	:	Not available
Viscosity	:	Thin bodied.



Section 10. Stability and reactivity

Reactivity	:	Concerning incompatibility: see below “Conditions to avoid” and “Incompatible Materials” The mixture contains reactive substance(s): risk of ignition
Chemical stability	:	If Heated risk of ignition See below “Conditions to avoid”.
Possibility of hazardous reactions	:	No known hazardous reactions.
Conditions to avoid	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
Hints to prevent fire or explosion	:	Use explosion-proof electrical/ventilation/lighting equipment. Use only non-sparking tools, Take precautionary measures against static discharge.
Incompatible materials	:	There is no additional information.
Hazardous decomposition product	:	Reasonable anticipated hazardous decomposition products produces as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

Section 11. Toxicological information

information on toxicological effects

Test data are not available for the complete mixture

Irritation/Corrosion

Sensitization

There is no data available.

Carcinogenicity

Product/ingredient name	CAS No	wt %	Classification	Number	
2-Butoxyethanol	111-76-2	8.143	3	Volume 88	-
Isopropyl alcohol	67-63-0	11.15	3	Volume 15, Sup 7, 71	-
					-
					-
					-
					-

Classification National Toxicology Program (United States) None of the ingredients are listed

Specific target organ toxicity (single exposure)

There is no data available.

Specific target organ toxicity (repeated exposure)

There is no data available.



Section 11. Toxicological information

Aspiration hazard

There is no data available.

Information on the likely routes of exposure : Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects

Eye contact : Causes eye irritation.
Inhalation : No known significant effects or critical hazards.
Skin contact : Causes skin irritation.
Ingestion : No known significant effects or critical hazards.

Symptoms related to physical, chemical, and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
 pain or irritation
 watering
 redness
Inhalation : No known significant effects or critical hazards
Skin contact : Adverse symptoms may include the following:
 irritation
 redness
Ingestion : No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : No known significant effects or critical hazards.
Potential delayed effects : No known significant effects or critical hazards.

Long term exposure

Potential immediate effects : No known significant effects or critical hazards.
Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects

General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Name of substance	CAS No	Exposure route	ATE Value
2-Butoxyethanol	111-76-2	oral	1746
2-Butoxyethanol	111-76-2	Dermal	1100
2-Butoxyethanol	111-76-2	Inhalation: vapor	11



Section 12. Ecological information

Toxicity

Product/ingredient name	CAS No	Species	Exposure
Isopropyl alcohol	67-63-0	Fish	96 Hours
2-Butoxyethanol	11-76-2	Fish	96 Hours
		Aquatic invertebrates	48 Hours
			72 Hours
		Algae	

Persistence and degradability

There is no data available.

Bioaccumulative potential

Mobility in soil

Soil/water partition : There is no data available.

Product/ingredient name	LogPow	BCF	Potential
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2-Butoxyethanol	0.81		low
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CAS#111-76-2

coefficient (Koc)

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Waste treatment methods

Waste treatment-relevant information : Solvent reclamation/regeneration

Sewage disposal-relevant information : Do not empty into drains, Avoid release to the environment. Refer to special Instructions/Safety data sheets.

Waste treatment of containers/packages : Completely emptied packages can be recycled, Handle contaminated packages in the same way as the substance itself.

Remarks : Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

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Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	UN1219	Not regulated.	Not regulated
UN Proper shipping name	Isopropanol, Solution	-Isopropanol, Solution	-Isopropanol, Solution
Transport Hazard class(es)	CLASS 3 (flammable liquids)	-Class 3 (flammable liquids)	-Class 3 (flammable liquids)
Packing group	11	- 11	- 11
Environmental hazards	No.	No.	No.
Additional Information	- none	-	-

AERG : Not Applicable

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

U.S Federal regulations : List of Extremely Hazardous Substances (40 CFR 355) (EPCRA Section none of the ingredients are listed.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.



Section 15. Regulatory information

[SARA 304 RQ](#) : Not applicable.

[SARA 311/312](#)

[Classification](#) :

Composition/information on ingredients

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
2-Butoxyethanol CAS #111-76-2	1-5 * Trade Secret	F2	No		Yes	No
Isopropyl alcohol CAS#67-63-0	3-7 * Trade Secret	F3	No		Yes	No

Section 16. Other information

History

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Key to abbreviations

: ATE = Acute Toxicity Estimate

: BCF = Bioconcentration Factor

: GHS = Globally Harmonized System of Classification and Labelling of Chemicals

: IATA = International Air Transport Association

: IBC = Intermediate Bulk Container

: IMDG = International Maritime Dangerous Goods

: LogPow = Logarithm of the octanol/water partition coefficient

: MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = Marine pollution)

: UN = United Nations

Notice to reader:

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