Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Section 1 CHEMICAL PRODUCT SECTION

1.1 Identification: Product Name: Plastic & Glass Cleaner
Product Number: 8670, AS1668
CAS# Mixture (see section 3)

1.2 Product description: Foaming cleaner for glass and plastic
Product type: aerosol
Application: Industrial applications

***1.3 Manufacturer**:* ACL Incorporated
840 W 49th Place
Chicago, Il 60609
PH: (01) 847.981.9212 [U.S.A.]
FAX: (01) 847.981.9278 [U.S.A.]
Email of responsible party for SDS: marykay@aclstaticide.com

***1.4 Emergency telephone**:*
US/Canada Emergency TEL: INFOTRAC: (01) 800.535.5053 (day or night)
International Emergency TEL: INFOTRAC: 352.323.3500 (day or night)

Section 2 HAZARDOUS IDENTIFICATION

2.1 Classification of the substance or mixture
Product definition: Mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] & (US) OSHA HCS 2012:

GHS-US classification
***PHYSICAL/CHEMICAL HAZARDS**:* Pressurized container – Category 3
HUMAN HEALTH HAZARDS: Not classified
ENVIRONMENTAL HAZARDS: Not classified

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms: Not required

Signal Word: Warning

*Hazard statements**:*** Pressurized container; may burst when heated (H229)

Precautionary statements
General: P101: If medical advice is needed, have container or label at hand
P102: Keep out of reach of children
P103: Read label before use

Prevention: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251: Do not pierce or burn, even after use.

Response: No precautionary statements

Storage Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F. (P410 + P412)

Disposal No precautionary statements

2.3 Other Hazard: No additional information available
Unknown Acute Toxicity: Less than 1%

Section 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances*:* Mixture

CHEMICAL	CAS	RISK CLASSIFICATION	Weight %
Water	7732-18-5	Not classified	Balance
Liquefied Petroleum Gas	68476-86-8	Press. Gas; H280 Flam. Gas 1; H220 Carc. 1B; H350 Muta. 1B; H340	3 – 7 %
Dipropylene glycol, butyl ether	29911-28-2	Not classified	2 – 3%
Isopropyl alcohol	67-63-0	Flam. Liq. 2; H225 Eye Irrit. 2A; H319 STOT SE 3; H336	0.1 -2%

Section 4 FIRST AID MEASURES

4.1.1 General Information

***4.1.2 Inhalation*:** Remove source of exposure or move person to fresh air and keep comfortable for breathing. If exposed/feel unwell/concerned: Call a POISON CENTER/doctor. Eliminate all ignition sources if safe to do so.

4.1.3 Skin: Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before re-use. IF exposed or concerned: Get medical advice/attention.

***4.1.4 Eyes*:** Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

***4.1.5 Ingestion*:** Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position. Do not give anything.

***4.1.6 Self-protection of the first aider*:** No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

***4.2 Most important symptoms and effects, both acute and delayed*:**
Potential acute health effects No data available.
Over-exposure signs/symptoms No data available.

4.3*: *Indication of any immediate medical attention and special treatment needed: No data available.

Section 5 FIRE FIGHTING MEASURES

5.1 Extinguishing Media:
Dry chemical, foam, carbon dioxide is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only. Do not direct a solid stream of water or foam into hot, burning pools this may results in frothing and increase fire intensity.

5.2 Specific hazards arising from substance or mixture:
Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Product is highly flammable and forms explosive mixtures with air, oxygen, and all oxidizing agents. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. During a fire, irritating and highly toxic gases may be generated during combustion or decomposition. High temperatures can cause sealed containers to rupture due to a build up of internal pressures. Cool with water. DO NOT cut, drill, grind, or weld near full, partially full, or empty product containers. Container could potentially burst or be punctured upon mechanical impact, releasing flammable vapors.
***5.3 Advice from fire fighters*:**
Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Section 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Personal Precautions: Use personal protective equipment as required
For non-emergency personnel: Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation.
For emergency responders: Evacuate the area promptly and keep upwind of the spilled material. Isolate the spill area to prevent people from entering. Wear appropriate protective equipment and clothing during clean-up.

6.2 Environmental precautions Stop spill or release if it can be done safely. If spill occurs on water, notify the appropriate authorities.

6.3 Methods and material or containment and cleaning up
6.3.1 For containment: Stop discharge if safe to do so. Stop material from contaminating soil or from entering sewers or water streams.
6.3.2 For cleaning up Cover spills with non-flammable absorbent and place in closed chemical waste containers.

6.3.3 Other information: Keep away from heat. Keep away from sources of ignition.
6.4 Reference to other sections: For personal protection, see Section 8

Section 7 HANDLING AND STORAGE

7.1 Precautions for safe handling:
Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands, and any exposed skin thoroughly after handling. Wear eye/face protection.

7.2 Conditions for safe storage including incompatibilities:

Storage Conditions: Ambient (40° - 90° F)
Incompatible Materials: None known based on information supplied.

7.3 Specific end use(s)
Recommendations: Eliminate static from various surfaces including fiber
Industrial sector specific solutions: Unknown

Section 8 EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters
Exposure Guidelines

		OSHA PEL		ACGIH TLV	
Chemical Name		**ppm**	**Mg/m^3**	**ppm**	**Mg/m^3**
2- Propanol	TWA	400 ppm	980 Mg/m^3	400 ppm	983 Mg/m^3
	STEL	500 ppm	1225 Mg/m^3	500 ppm	1230 Mg/m^3
Liquefied Petroleum Gas	TWA	1000 ppm			

8.2 Exposure controls: Use good hygiene practices in handling this material.

8.2.1 Appropriate engineering controls Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

8.2.2 Personal protective equipment No respirator required in well ventilated areas. Use NIOSH approved respiratory protection when necessary. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA).
8.2.2.1 Eye and face protection: Wear goggles or safety glasses with side shields.
8.2.2.2 Skin protection Impervious gloves should be used when handling this product. Use of protective coveralls and long sleeves is recommended.
8.2.2.3 Respiratory protection No respirator required in well ventilated areas.
8.2.2.4 Thermal hazards : None

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Aerosol can / hazy white foam
Odor	Fresh
pH	NE
Melting point/freezing point	NE / NE
Initial boiling point and boiling range	NE
Flash point and method	Concentrate: NA Propellent: -5C / 23 F (estimate)
Evaporation rate	➢ 1
Flammability (solid, gas, liquid)	NA
Upper/lower flammability or explosive limits	Concentrate: NA Propellent: 9.2 upper % by volume propellant 1.8 lower % by volume propellant
Vapor pressure	NE
Vapor density (air=1)	NE
Relative density	0.98
Solubility(ies).	Miscible
Partition coefficient: n-octanol/water	NE
Autoignition temperature	NA
Decomposition temperature	NE
Viscosity	NE
Volatile by weight	NE

VOC	7.5

Section 10 STABILITY AND REACTIVITY

10.1 Reactivity: Stable under recommended storage conditions
10.2 Chemical stability Stable under recommended storage conditions
10.3 Possibility of hazardous reactions: Under normal conditions of storage and use, will not occur
10.4 Conditions to avoid: Keep away from heat, flames, and sparks.
10.5 Incompatible materials: Strong oxidizing agents, reducing agents, acids, and alkalis
10.6 Hazardous decomposition products: Not determined

Section 11 TOXICOLOGY INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
propan-2-ol	LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat – Male Rabbit Rat	66100 mg/m³ 12800 mg/kg 5000 mg/kg	4 hours - -
Liquefied Petroleum Gas	LC50: Inhalation	Rat	658 mg/l	4
Dipropylene glycol, butyl ether	LD50: Oral LD50: Dermal	Rat Rat	4000 mg/kg 2000 mg/kg	

Conclusion/Summary: Not available

Irritation/Corrosion

Product/ingredient name	Result	Species	Exposure
propan-2-ol	Eyes - Moderate irritant Eyes - Moderate irritant Eyes - Severe irritant Skin - Mild irritant	Rabbit Rabbit Rabbit Rabbit	24 hours 100 milligrams 10 milligrams 100 milligrams 500 milligrams

Conclusion/Summary: Not available

Sensitization Conclusion/Summary: Not available.
Mutagenicity Conclusion/Summary: Not available.
Carcinogenicity Conclusion/Summary: Not available.
Reproductive toxicity Conclusion/Summary: Not available.
Teratogenicity Conclusion/Summary: Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
propan-2-ol	Category 3	Not applicable.	Narcotic effects

Specific target organ toxicity (repeated exposure): Not available.
Aspiration hazard: Not available.
Information on the likely routes of exposure: Not available.

Delayed and immediate effects and also chronic effects from short and long term exposure
Short term exposure
Potential immediate effects: Not available.
Potential delayed effects: Not available.
Long term exposure
Potential immediate effects: Not available.
Potential delayed effects: Not available.
Potential chronic health effects: Not available.
Conclusion/Summary: Not available.

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

Section 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
propan-2-ol	Acute LC50 1400000 to 1950000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 4200000 µg/l Fresh water	Fish - Rasbora heteromorpha	96 hours

Conclusion/Summary : Not available

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
propan-2-ol	301E Ready Biodegradability - Modified OECD Screening Test	95 % - 21 days	-	-

Conclusion/Summary : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
propan-2-ol	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
propan-2-ol	0.05	-	low

12.4 Mobility in soil
Soil/water partition coefficient (K_{OC}): Not available.
Mobility: Not available.

12.5 Results of PBT and vPvB assessment
PBT: Not available.
vPvB: Not available.

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

Section 13 DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

13.1.1 Product / Packing Disposal

Product

Methods of disposal: Do not puncture, incinerate or compact aerosol can. When contents are depleted continue to depress button until all gas is expelled.
Hazardous waste: As packaged and after use, it does not meet the criteria of a hazardous waste as defied under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, since it has neither the characteristics of Subpart C nor is listed in Subpart D.

Contaminated Packaging
Methods of disposal: Dispose of as unused product. Waste packaging should be recycled.

13.1.2 Waste treatment-relevant information: Incineration or landfill should only be considered when recycling is not feasible. Handle empty containers with care because residual vapours are flammable
13.1.3 Sewage disposal-relevant information: Avoid release to the environment
13.1.4 Other disposal recommendations: Federal, State, and Local laws governing disposal of material can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14 TRANSPORTATION INFORMATION

	Proper Shipping Name	Hazard Class	UN number	NOTE
US DOT ground	Consumer Commodity	ORM-D	NA	Flame projection testing in accordance with 16CFR1500.45 found no flame projection.
US DOT air	AEROSOLS, non-flammable, (each not exceeding 1L capacity)	2.2	UN1950	May be classified as Consumer commodity, ID 8000, class 9, Y963 packing instruction DOT Labels required: Non-Flammable Gas
IATA	AEROSOLS, non-flammable, (each not exceeding 1L capacity)	2.2	UN1950	IATA Labels required: Non-Flammable Gas
IMDG	AEROSOLS, non-flammable, (each not exceeding 1L capacity)	2.2	UN1950	Limited Quantity: Y203

Section 15 REGULATORY INFORMATION

United States Federal Regulations: MSDS complies with the OSHA Hazard Communication Rule, 29 CFR 1910.1200.
SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:
CERCLA/Superfund, 40 CFR 117, 302: no requirements
Section 302 – None

CHEMICAL	C.A.S. Number	Weight %	Section 311/312
Isopropyl Alcohol	67-63-0	<5%	Acute Health Hazard; Fire Hazard
Liquefied Petroleum Gas	68476-86-8	5-15%	

Section 313 – List of Toxic Chemicals (40CFC 372): This product contains the following chemicals (at level of 1% or greater) which are found on the 313 list of Toxic Chemicals.

Chemical	C.A.S. NUMBER	WEIGHT %
Isopropyl Alcohol	67-63-0	2-12%

Toxic Substance Control Act (TSCA): **All substances are TSCA listed.**
Resource Conservation and Recovery Act (RCRA 40 CFR 261) Subpart C & D: Refer to Section 13
Federal Water Pollution Control Act, Clean Water Act, 40 CFR 401.15 (formerly section 307) 40 CFR 116 (formerly section 311): This product does not contain listed chemicals

STATE REGULATIONS:
This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.
California Proposition 65: This product does not contain substances on the prop 65 list.
California Safer Consumer Products List: Isopropyl Alcohol is a candidate for the SCP: Developmental Tox; Nephrotox, Urinary System; Ocular Tox; Respiratory Tox (authoritative list: OEHHA RELs)

INTERNATIONAL REGULATIONS:

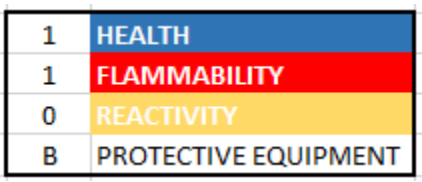
Canada WHMIS: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. All substances are listed on the public Portion of the Domestic Substances List (DSL).

REACH: This product does not contain any substance listed on the Substances of Very High Concern (SvHC).

Sections 16 OTHER INFORMATION

HMIS HAZARD RATING:

HMIS Health: Slight Hazard. Irritation or minor reversible injury possible.
HMIS Flammability: Must be preheated for ignition to occur
HMIS Reactivity: Minimal Hazard. Stable
HMIS Personal Protection: B. Safety glasses and protective gloves should be worn when handling this material.



REVISION DATES, SECTIONS, REVISED BY:

19-Aug-13	Original Preparer: Steve Allen
02-Oct-13	Review, mkb
10-Jan-14	Change name and part #, mkb
28-Oct-14	Revised section 2, mkb
30-Nov-15	Revised section 2 and 14, mkb
12-Feb-18	Section 2 updated GHS classifications, mkb

ABBREVIATIONS USED IN THIS DOCUMENT:
NE – Not Established, NA – Not Applicable, NIF – No Information Found, ND – Not Determined

ABRIDGED LIST OF REFERENCES:

Code of Federal Regulations (CFR)
The Sigma-Aldrich Library of Regulatory and Safety Data
Chemical Guide and OSHA Hazardous Communication Standard
The Environmental Protection Agency (www.epa.gov)
http://oehha.ca.gov/prop65/prop65_list
http://orise.orau.gov/emi/hazards-assessment/files/resources/epa-title3.pdf