

SAFETY DATA SHEET

SECTION I IDENTIFICATION

PRODUCT NAME: **GLASS CLEANER** Pg. 1/5
PRODUCT CODE: Fluid 5722 P/N: SP5722AI-SP5719AI-SP5723AI Version 8
CHEMICAL FAMILY: ALCOHOL BASED CLEANER 4/27/2015
Meets GHS requirements

SUPPLIER:	CUL-MAC INDUSTRIES, INC.	MANUFACTURED FOR:	AIOD
ADDRESS:	3720 S. VENROY WAYNE, MI 48184	ADDRESS:	PO BOX 1861 MONTROSE, CO 81402
PHONE:	(734) 728-9700	PHONE:	(800) 313-2463
		EMERGENCY PHONE:	(866) 214-4235 (3E COMPANY)

SECTION II HAZARD IDENTIFICATION



DANGER:

Skin, Eyes, Ingestion, Inhalation

ROUTES OF ENTRY:

HAZARD STATEMENTS:	H226: Flammable Liquid and Vapour
	H303: May be Harmful if Swallowed
	H313: May be Harmful in Contact with Skin
	H319: Causes Serious Eye Irritation
	H333: May be Harmful if Inhaled
	H402: Harmful to Aquatic Life

PRECAUTIONARY STATEMENTS:	P210: Keep Away From Heat/Sparks/Open Flames/Hot Surfaces - NO Smoking
	P233: Keep Container Tightly Closed
	P240: Ground/Bond Container and Receiving Equipment
	P241: Use Explosion-Proof Electrical/Venting/Lighting/.../Equipment.
	P242: Use Only Non-Sparking Tools
	P243: Take Precautionary Measures Against Static Discharge
	P264: Wash Thoroughly After Handling
	P273: Avoid Release to the Environment
	P280: Wear Protective Gloves/Eye Protection/Face Protection

RESPONSE STATEMENTS:	P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P370+P378: In case of fire: Use Dry Chemical, Alcohol Faom, or Carbon Dioxide for extinction.
	P312: Call a POISON CENTER or Doctor if you Feel Unwell
	P305+P351+P338: IF IN EYES: Rinse Cautiously with Water for Several Minutes. Remove Contact Lenses, if Present and Easy to do so. Continue Rinsing.
	P337+P313: If Eye Irritation Persists: Get Medical Advice
	P310: Immediately Call a POISON CENTER or Doctor
	P304+P340: IF INHALED: Remove Victim to Fresh Air and Keep at Rest in a Position Comfortable for Breathing

PRODUCT NAME: **GLASS CLEANER**
PRODUCT CODE: Fluid 5722 P/N: SP5722AI-SP5719AI-SP5723AI
CHEMICAL FAMILY: ALCOHOL BASED CLEANER

Pg. 2/5
Version 8
4/27/2015
Meets GHS requirements

SECTION II HAZARD IDENTIFICATION CONTINUED

STORAGE STATEMENTS: **P403+P235:** Store in a well-ventilated Place. Keep Cool.

DISPOSAL STATEMENTS: **P501:** Dispose of contents/container in accordance with all applicable federal, state, and local regulations.

CARCINOGENICITY: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH.

SECTION III COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL:	% by wt.	CAS #	OSHA PEL	ACGIH TLV
Isopropyl Alcohol	20 - 25	67-63-0	400 ppm	400 ppm
2-Butoxyethanol	10 - 15	111-76-2	25 ppm	20 ppm

SECTION IV FIRST AID MEASURES

SKIN CONTACT: Remove contaminated clothing; wash under shower with soap and water for 15 minutes. Seek medical attention if irritation occurs

EYE CONTACT: Flush immediately with gently running water for a minimum of 15 minutes

INHALATION: Seek medical attention immediately. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible do not leave individual unattended

INGESTION: Remove to fresh air, restore or assist breathing, obtain medical attention if needed. Swallowing methanol is life threatening. Symptoms of methanol poisoning may be delayed up to 24 hours. DO NOT induce vomiting or wait for symptoms to develop. Seek medical attention immediately.

SECTION V FIRE FIGHTING MEASURES

FLASH POINT: N/AV

EXTINGUISHING MEDIA: Dry Chemical; Alcohol Foam; Carbon Dioxide

SPECIAL PROCEDURES: Stay Upwind. Water spray may be ineffective on fire but can protect fire-fighters and cool closed containers. If water is used, use fog nozzles. Do not enter confined spaces without full bunker gear. Use NIOSH approved positive-pressure self-contained breathing apparatus. Do not walk through any spilled chemicals.

UNUSUAL HAZARDS: N/AV

PRODUCT NAME: **GLASS CLEANER**
PRODUCT CODE: Fluid 5722 P/N: SP5722AI-SP5719AI-SP5723AI
CHEMICAL FAMILY: ALCOHOL BASED CLEANER

Pg. 3/5
Version 8
4/27/2015

Meets GHS requirements

SECTION VI ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Eliminate all ignition sources. Collect liquid with explosion proof pumps. Dilute with water for small spills, collect with a non-combustible solvent. Avoid release into the environment. Prevent from entering into soil, sewers, waterways and groundwater.

SECTION VII HANDLING & STORAGE

HANDLING: Keep away from oxidizers, heat, sparks, open flames and electrical equipment. Use only with adequate ventilation and avoid breathing vapors. Do not get on skin or in eyes. Wear the appropriate personal protection equipment when using. Empty containers should be treated as full since residue will remain and is equally hazardous.

STORAGE: Store in a well-ventilated area away from heat, sparks, open flames and strong oxidizers. Do not store above 120°F and keep containers tightly sealed and stored upright to prevent leaks.

SECTION VIII EXPOSURE CONTROLS - PERSONAL PROTECTION



VENTILATION: Local exhaust.

RESPIRATORY PROTECTION: Not generally needed

GLOVES: Butyl and nitrile gloves.

EYE PROTECTION: Chemical splash goggles when transferring is taking place

CLOTHING AND FOOTWEAR Not generally needed

SECTION IX PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT:	~212° F	pH:	11.0 - 12.0
FREEZING POINT:	< 32° F	SPECIFIC GRAVITY:	1
VAPOR PRESSURE:	N/AV	PERCENT VOLATILE:	99
VAPOR DENSITY (AIR = 1):	N/AV	APPEARANCE:	blue
SOLUBILITY IN WATER:	COMPLETE	ODOR:	alcohol
EVAPORATION RATE:	< 1		
(BUTYL ACETATE = 1)			

SECTION X STABILITY AND REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY: Strong oxidizers, strong acids, and strong bases. Keep
(CONDITIONS TO AVOID) away from heat, sparks, open flame and static discharge

HAZARDOUS DECOMPOSITION: N/A

PRODUCT NAME: **GLASS CLEANER**
PRODUCT CODE: Fluid 5722 P/N: SP5722AI-SP5719AI-SP5723AI
CHEMICAL FAMILY: ALCOHOL BASED CLEANER

Pg. 4/5
Version 8
4/27/2015
Meets GHS requirements

SECTION XI TOXICOLOGICAL INFORMATION

Product has not been tested as a whole

Isopropyl Alcohol: Acute oral toxicity (LD50): 3600 mg/kg, 4 hours [Mouse].
Acute dermal toxicity (LD50): 12800 mg/kg, 4 hours [Rabbit].
Acute toxicity of the vapor (LC50): 16000, 8 hours [Rat].

2-Butoxyethanol: Acute oral toxicity (LD50): 470 mg/kg, 4 hours [Rat].
Acute dermal toxicity (LD50): 220 mg/kg, 4 hours [Rabbit].
Acute toxicity of the vapor (LC50): 450, 8 hours [Rat].

SECTION XII ECOLOGICAL INFORMATION

Product has not been tested as a whole



Isopropyl Alcohol: Ecotoxicity in water (LC50): 100000 mg/L, 96 hours [Fathead Minnow]

2-Butoxyethanol: Ecotoxicity in water (LC50): >100 mg/L, 96 hours [Fish]

SECTION XIII DISPOSAL CONSIDERATIONS

WASTE DESCRIPTION: Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes

GENERAL DISPOSAL CONSIDERATIONS: Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations.

SECTION XIV TRANSPORT INFORMATION

PROPER SHIPPING NAME: Flammable Liquid, N.O.S. (contains isopropyl alcohol)

UN/NA NUMBER: UN1993
HAZARD CLASS: 3
PACKING GROUP: II
REPORTABLE QUANTITY (RQ lbs): 5000 lbs
EMERGENCY RESPONSE GUIDEBOOK: 128
PLACARD/LABELS REQUIRED: Flammable

SECTION XV REGULATORY INFORMATION

OSHA HAZARDOUS CHEMICAL: yes
SARA 302 COMPONENTS: none
SARA 311/312: Immediate (X) Delayed (X) Fire (X) Reactive ()
Sudden release of Pressure ()
SARA 313 COMPONENTS: Glycol Ether EB

PRODUCT NAME: **GLASS CLEANER**
PRODUCT CODE: Fluid 5722 P/N: SP5722AI-SP5719AI-SP5723AI
CHEMICAL FAMILY: ALCOHOL BASED CLEANER

Pg. 5/5
Version 8
4/27/2015
Meets GHS requirements

SECTION XVI OTHER INFORMATION

HMIS: Health = 1; Flammability = 3; Reactivity = 0; Personal Protection Equipment = B

DISCLAIMER

The information herein has been from sources believed to be accurate, reliable and up to date to the best of our knowledge. However, we cannot give any guarantees regarding information from other sources and do not make any warranties nor assume any liability from its use or misuse.

End of SDS