

SAFETY DATA SHEET

SECTION I IDENTIFICATION

PRODUCT NAME: **SERVICE PRO AEROSOL HEAVY DUTY GLASS CLEANER**
PRODUCT CODE: 0174-15 F00427 P/N: SP6077AI

Pg. 1/5
Version 3
8/8/2013

Meets GHS requirements

SUPPLIER: CUL-MAC INDUSTRIES, INC.
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WAYNE, MI 48184
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MANUFACTURED FOR: AIOD
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MONTROSE, CO 81402
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EMERGENCY PHONE: (866) 214-4235 (3E COMPANY)

SECTION II HAZARD IDENTIFICATION



EMERGENCY OVERVIEW: Aerosol. CONTENTS UNDER PRESSURE. Irritating to eyes and skin.

ROUTES OF ENTRY: Skin, Eyes, Ingestion, Inhalation

WARNING:

HEALTH HAZARDS: (acute & chronic)
SKIN - Prolonged contact may defat or dry the skin which may cause dermatitis.
EYE - Causes irritation, redness, and pain.
INHALATION - Intentional misuse by inhaling the product can be harmful or fatal. Inhaling large quantities of vapor causes irritation to the nose, throat, and lungs.
INGESTION - Exposure by ingestion of an aerosol is unlikely. Components of the product may be absorbed into the body by ingestion. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

TARGET ORGANS: 2-butoxyethanol may be absorbed through the skin in toxic amounts if contact is repeated or prolonged and may cause blood damage. These effects have not been observed in humans.

CARCINOGENICITY: Not listed by OSHA, IARC, OR NTP

SECTION III COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL:	% by wt.	CAS #	OSHA PEL	ACGIH TLV
2-BUTOXYETHANOL	1-10	111-76-2	25 PPM TWA	25 PPM TWA
PROPANE/ISOBUTANE/N-BUTANE	1-10	68476-86-8	800 PPM TWA	1000 PPM TWA
ISOPROPYL ALCOHOL	1-10	67-63-0	400 PPM TWA	400 PPM TWA

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SECTION IV FIRST AID MEASURES

SKIN CONTACT: Wash skin with soap and warm water. Remove contaminated clothing and wash. Get medical attention if irritation develops.

EYE CONTACT: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops.

INGESTION: If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. If ingestion of a large amount does occur, call a poison control center immediately.

INHALATION: Move to fresh air. If symptoms persist, get medical attention.

SECTION V FIRE FIGHTING MEASURES

FLASH POINT: NO FLAME EXTENSION OR FLASHBACK
LOWER EXPLOSIVE LIMIT 1.1%
UPPER EXPLOSIVE LIMIT: 12.0%

EXTINGUISHING MEDIA: Alcohol Foam, Carbon Dioxide, Dry Chemical, Water Fog

SPECIAL PROCEDURES: Containers can build up pressure if exposed to heat (fire). As in fire, wear a self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Keep containers and surroundings cool with water spray. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For massive fire, use unmanned hose holders or monitor nozzles, if this is impossible, withdraw from area and let the fire burn.

SECTION VI ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements or confined areas. Should not be released into the environment.
For small spills, wipe with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

SECTION VII HANDLING & STORAGE

AEROSOL LEVEL:1

HANDLING: Wash thoroughly after handling. Use only in well ventilated area.

STORAGE: Keep away from heat, sparks and flame. Keep from freezing. **DO NOT STORE IN ALUMINUM, FIBERGLASS, COPPER, BRASS, ZINC, OR GALVANIZED CONTAINERS.** Do not store above 120° F (49°C). Do not spray into open flame or near other sources of ignition. Do not store in direct sunlight, puncture, crush or incinerate container. **KEEP OUT OF REACH OF CHILDREN**

SECTION VIII EXPOSURE CONTROLS - PERSONAL PROTECTION



ENGINEERING CONTROLS:

Local exhaust ventilation may be necessary to control any air contaminants to within their TLV during the use of this product.

RESPIRATORY PROTECTION:

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant use.

SKIN PROTECTION:

Impervious gloves should be used. Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

EYE PROTECTION:

Wear safety glasses with side shields or goggles when using this product.

OTHER PROTECTIVE EQUIPMENT: STANDARD INDUSTRIAL CLOTHING STANDARDS SHOULD BE FOLLOWED

HYGIENIC PRACTICES:

Wash hands before eating. Remove contaminated clothing and wash before reuse.
Use only in a well ventilated area. Follow all SDS/label precautions even after container is emptied because they may retain product residues. Ground and bond containers when transferring material. Avoid prolonged or repeated contact with skin.
Avoid contact with eyes, skin, and clothing.

SECTION IX PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE:	-12 - 340°F	pH @ 100%	11.0
FREEZING POINT:	N/A	SPECIFIC GRAVITY	0.9508
VAPOR PRESSURE:	N/A	APPEARANCE	Hazy
VAPOR DENSITY (AIR = 1):	> 1	ODOR	Citrus
SOLUBILITY IN WATER:	Miscible	VOC, % (wt):	10.73%
EVAPORATION RATE: (BUTYL ACETATE = 1)	< 1		

SECTION X STABILITY AND REACTIVITY DATA

CONDITIONS TO AVOID: AVOID OPEN FLAMES AND HIGH TEMPERATURES and contact with strong oxidizing agents and acids. Do not crush, puncture or incinerate container.

INCOMPATIBILITY: Strong mineral acids and strong oxidizing agents. Halogens and heat.

HAZARDOUS DECOMPOSITION: OXIDES OF CARBON, ALDEHYDES, HYDROCARBONS. Avoid strong mineral acids.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

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SECTION XI TOXICOLOGICAL INFORMATION

PRODUCT LD50: 470 mg/kg
PRODUCT LC50: 2900 ppm

CHEMICAL NAME:	LD50	LC50
2-BUTOXYETHANOL	470 MG/KG/RAT	2900 MG/M3/7H/RAT
PROPANE/ISOBUTANE/N-BUTANE	NOT ESTABLISHED	658000 MG/M3/4HRAT
ISOPROPYL ALCOHOL	5045 MG/KG/RAT	72600 MG/M3/RAT

SECTION XII ECOLOGICAL INFORMATION



ECOLOGICAL INFORMATION: Product is expected to be readily biodegradable. Low toxicity to aquatic organisms such as bacteria, algae, protozoa and fish. Expected to be moderately toxic to aquatic organisms on an acute basis.

SECTION XIII DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV TRANSPORT INFORMATION

	DOT Requirements	IMDG	IATA
PROPER SHIPPING NAME:	CONSUMER COMMODITY	Aerosols	Aerosol, flammable
UN/NA NUMBER:		1950	1950
HAZARD CLASS:	Limited Quantity	2.1	2.1
PACKING GROUP:	156, 306	ltd qty	ltd qty
PLACARD/LABELS REQUIRED:		none	2.1

SECTION XV REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS AS FOLLOWS:

OSHA: Hazardous by definition of Hazard Communication Standard (29CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions to meet the following categories:

IMMEDIATE HEALTH HAZARD - CHRONIC HEALTH HAZARD - FIRE HAZARD - PRESSURIZED GAS HAZARD

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40CFR Part 372:

CHEMICAL NAME:	CAS NUMBER	WT/WT % IS LESS THAN
2-BUTOXYETHANOL	111-76-2	1.0 - 10.0

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SECTION XVI OTHER INFORMATION

HMIS:

Health =2 ; Flammability = 2 ; Reactivity = 0

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