

MATERIAL SAFETY DATA SHEET

SECTION I IDENTIFICATION

PRODUCT NAME: SERVICE PRO PREMIUM GLASS CLEANER
PRODUCT CODE: P/N: SP0050AI

Pg. 1/5
Version 2
8/8/2013

Meets GHS requirements

SUPPLIER: CUL-MAC INDUSTRIES, INC.
ADDRESS: 3720 S. VENOY
WAYNE, MI 48184
PHONE: (734) 728-9700

MANUFACTURED FOR: AIOD
ADDRESS: PO BOX 1861
MONTROSE, CO 81402
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SECTION II HAZARD IDENTIFICATION



EMERGENCY OVERVIEW:

Aerosol. CONTENTS UNDER PRESSURE. Irritating to eyes

Intentional misuse by inhaling the product can be harmful or fatal.

ROUTES OF ENTRY:

Skin, Eyes, Ingestion, Inhalation

WARNING:

HEALTH HAZARDS:
(acute & chronic)

SKIN - Harmful if absorbed through the skin. Frequent or prolonged contact may defat and dry the skin, causing discomfort and dermatitis.

EYE - Moderately irritating to the eyes. Health injuries are not known or expected or expected under normal use.

INHALATION - Intentional misuse by inhaling the product can be harmful or fatal.

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

Table with 5 columns: CHEMICAL, % by wt., CAS #, OSHA PEL, ACGIH TLV. Rows include ETHYL ALCOHOL, 2-BUTOXYETHANOL, PROPANE, and N-BUTANE.

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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:** Heat may cause the containers to explode. Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.
- EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, 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**

- HANDLING:** Pressurized container: Do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight. Do not smoke while using use or until sprayed surface is thoroughly dry. Use only in area provided with appropriate exhaust ventilation. Do not use if spray button is missing or defective. Do not re-use empty containers. Avoid breathing dust/fumes/gas/mist/vapors/spray. Avoid contact with eyes or skin. Wear personal protective equipment. Avoid prolonged exposure.
- STORAGE:** Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Keep away from heat, sparks, and flame. Avoid exposure to long periods of sunlight. Store in a well ventilated place. Keep away from food, drink and animals feeding. Do not store, incinerate, or heat material above 120 F. Level 1 Aerosol (NFPA 30B)

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**SECTION VIII EXPOSURE CONTROLS - PERSONAL PROTECTION**



**RESPIRATORY PROTECTION:** When workers are facing concentrations above the exposure limit they must use a respiratory that meets OSHA 1910.134 and ANSI Z88.2 requirements. If permissible levels are exceeded use NIOSH mechanical filter/organic vapor cartridge or an air-supplied respirator.

**SKIN PROTECTION:** Wear appropriate chemical resistant gloves and personal protective equipment.

**EYE PROTECTION:** Wear safety chemical goggles when using this product.

**SECTION IX PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>BOILING RANGE:</b>	204.8 F (96.1 C)	<b>pH:</b>	9.5 - 10.5
<b>FREEZING POINT:</b>	not determined	<b>SPECIFIC GRAVITY:</b>	0.9604
<b>VAPOR PRESSURE:</b>	70 - 90 psig @ 70 F	<b>APPEARANCE:</b>	liquefied gas
<b>SOLUBILITY IN WATER:</b>	completely	<b>ODOR:</b>	butyl
<b>FLAMMABILITY:</b>	3.2733 kJ/g	<b>FLASHPOINT:</b>	-156 F (-104.4C)
<b>PHYSICAL STATE:</b>	liquid		

**SECTION X STABILITY AND REACTIVITY DATA**

**CONDITIONS TO AVOID:** AVOID FLAMES, HEAT, AND SPARKS.

**HAZARDOUS DECOMPOSITION:** Irritants, Toxic gas.

**INCOMPATIBLE MATERIALS:** None known.

**SECTION XI TOXICOLOGICAL INFORMATION**

<b>CHEMICAL NAME:</b>	<b>LD50 (oral)</b>	<b>LC50 (inhalation)</b>
2-BUTOXYETHANOL	470 MG/KG/RAT	2.21 MG/L/ 4HRAT
PROPANE	NOT ESTABLISHED	658 MG/L/4HRAT
N-BUTANE	NOT ESTABLISHED	658 MG/L/4HRAT
ETHYL ALCOHOL	7060 MG/KG/RAT	124.7 MG/L/4HRAT

**SECTION XII ECOLOGICAL INFORMATION**

Components of this product have been identified as having potential environmental concerns.



**ECOLOGICAL INFORMATION:** LC50 36327 MG/L, fish, 96 Hours  
EC50 26428 MG/L, Daphnia, 48 Hours  
IC50 11902 MG/L, Algae, 72 Hours

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**SECTION XIII DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Contents under pressure. Do not PUNCTURE, incinerate, or crush. Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

**SECTION XIV TRANSPORT INFORMATION**

	<b>DOT Requirements</b>	<b>IMDG</b>	<b>IATA</b>
<b>PROPER SHIPPING NAME:</b>	CONSUMER COMMODITY	Aerosols	Aerosol, flammable
<b>UN/NA NUMBER:</b>		1950	1950
<b>HAZARD CLASS:</b>	Limited Quantity	2.1	2.1
<b>PACKING GROUP:</b>	156, 306	ltd qty	ltd qty
<b>PLACARD/LABELS REQUIRED:</b>		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 Section 313** - Emission Reporting This product contains the following substances subject to the reporting requirements of Superfund Amendments and Reauthorization Act of 1986 and 40CFR Part 372:

*2-Butoxyethanol - 1.0% de minis concentration (applies to R-(OCH2CH2)n-OR, where n=1, 2, or 3, R=alkyl, C7 or less, or R=phenyl or alkyl substituted phenyl, R'=H or alkyl C7 or less, or consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate, Chemical Category N230)*

**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 - FIRE HAZARD - PRESSURIZED GAS HAZARD**

Inventory Status: Country - United States & Puerto Rico

All components of this product comply with the inventory requirements by Toxic Substances Control Act (TSCA).

US Pennsylvania (Right to Know)

N-BUTANE	106-97-8	present
PROPANE	74-98-6	present
2-Butoxyethanol	112-34-5	present
Ethyl Alcohol	64-17-5	present

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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 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**