

SAFETY DATA SHEET

SECTION I IDENTIFICATION

PRODUCT NAME:	SERVICE PRO RV CLEANER	Pg. 1/5
PRODUCT CODE:	Fluid 2-4066 P/N: SP4766AI-SP4768AI-SP4769AI	Version 5
CHEMICAL FAMILY:	ALKALINE DETERGENT	4/15/2015
		Meets GHS requirements

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



ROUTES OF ENTRY:

Skin, Eyes, Ingestion, Inhalation

DANGER:

HEALTH HAZARD STATEMENTS:

H302:
H312:
H318:
H333:

Harmful if Swallowed
Harmful in Contact with Skin
Causes Serious Eye Damage
May be Harmful if Inhaled

PREVENTION PRECAUTIONARY STATEMENTS:

P264:
P270:
P280:

Wash Hands Thoroughly After Handling
Do Not Eat, Drink or Smoke When Using This Product
Wear Protective Gloves/Eye Protection/Face Protection

RESPONSE PRECAUTIONARY STATEMENTS:

P301+P312:
P330:
P302+P352:
P312:
P322:
P363:
P305+P351+P338:

P310:
P304+P312:

IF SWALLOWED: Call a POISON CENTER or Doctor if you Feel Unwell
Rinse Mouth
IF ON SKIN: Wash with Plenty of Soap and Water
Call a POISON CENTER or Doctor if you Feel Unwell
See Specific Treatment on this Label
Wash Contaminated Clothing Before Reuse
IF IN EYES: Rinse Cautiously with Water for Several Minutes. Remove Contact Lenses, if Present and Easy to do so. Continue Rinsing.
Immediately Call a POISON CENTER or Doctor
IF INHALED: Call a POISON CENTER or Doctor if you Feel Unwell

DISPOSAL PRECAUTIONARY STATEMENTS:

P501:

Dispose of Contents/Container in Accordance with Local/State/Federal/International 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.

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SECTION III COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL:	% by wt.	CAS #	OSHA PEL	ACGIH TLV
Potassium Hydroxide	1 - 5	1310-58-3	2mg/m3	2 mg/m3
Sodium Hydroxide	1 - 5	1310-73-2	2mg/m3 (ceiling)	2mg/m3 (ceiling)
2-butoxyethanol	1 - 5	111-76-2	50 ppm	20 ppm

SECTION IV FIRST AID MEASURES

SKIN CONTACT: Remove contaminated clothing and immediately rinse skin with copious quantities of water for a minimum of 15 minutes. Wash clothes before reuse.
Seek medical attention immediately, speedy action is critical.

EYE CONTACT: Immediately flush eyes with copious quantities of water for a minimum of 15 minutes. Hold the eyelids open. Do NOT allow victim to close or rub eyes. Remove contact lenses if necessary and possible. Urgently seek medical attention!

INGESTION: **DO NOT** induce vomiting. If the victim is conscious give 2 - 4 cups of milk or water. Never give anything by mouth to an unconscious person.
Seek medical assistance immediately.

INHALATION: Remove to fresh air. If breathing is difficult administer an approved oxygen supply. Seek medical assistance immediately.

SECTION V FIRE FIGHTING MEASURES

FLASH POINT: < 212°F

FLAMMABILITY LIMITS: LEL: N/AV
UEL: N/AV

EXTINGUISHING MEDIA: Use alcohol resistant film, carbon dioxide, water, or dry chemical spray.
Use water spray to cool fire exposed containers.

SPECIAL PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSHA approved or equivalent), and full protective gear to prevent contact with skin and eyes.

SECTION VI ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Corrosive material. Dike spilled material. Absorb with absorbent such as clay, sand, or other suitable material. Place in non-leaking container and seal tightly for proper disposal. Prevent spills from entering storm sewers or drains.

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SECTION VII HANDLING & STORAGE

HANDLING PROCEDURES: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Do not get in eyes, on skin or on clothing.

STORAGE PROCEDURES: Keep container closed when not in use. Store at room temperature in a well ventilated area. Do not store this product near alkaline materials. Do not freeze this material. Do not add other materials to this container. Do not get in eyes, on skin or on clothing. Do not allow smoking or food consumption while handling. Wash well after use.

SECTION VIII EXPOSURE CONTROLS - PERSONAL PROTECTION



VENTILATION: Use good general ventilation.

RESPIRATORY PROTECTION: Not generally needed.

GLOVES: Butyl and nitrile rubber gloves are recommended.

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:	12.5 - 13.0
FREEZING POINT:	32° F	SPECIFIC GRAVITY:	1.15
VAPOR PRESSURE:	N/A	PERCENT VOLATILE:	91
VAPOR DENSITY (AIR = 1):	N/A	APPEARANCE:	Green Liquid
SOLUBILITY IN WATER:	Complete	ODOR:	Alkaline
EVAPORATION RATE:	As water		
(BUTYL ACETATE = 1)			

SECTION X STABILITY AND REACTIVITY DATA

STABILITY: Stable under normal conditions.
Sodium Hydroxide will absorb Carbon Dioxide from the atmosphere; Hygroscopic

HAZARDOUS POLYMERIZATION: Not expected to occur.

INCOMPATIBILITY: Strong Acids, Metals (will corrode with prolonged contact).
(CONDITIONS TO AVOID) Keep out of direct sunlight and away from extremely high and low temperatures.

HAZARDOUS DECOMPOSITION: Sodium Oxide. Thermal decomposition produces corrosive vapours.

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SECTION XI TOXICOLOGICAL INFORMATION

This Product Has Not Been Tested As A Whole

Sodium Hydroxide: RTECS: CAS# 1310-73-2: WB4900000
CAS# 1310-73-2 LD50/LC50: Dermal, rabbit: LD50 = 1350 mg/kg
Oral, rat: LD50 = 1350 mg/kg, 4 hours

Potassium Hydroxide: RTECS: CAS# 1310-58-3: TT2100000
CAS# 1310-58-3 LD50/LC50: Oral, rat: LD50 = 273 mg/kg

2-butoxyethanol: RTECS: CAS# 111-76-2: KJ8575000
CAS# 111-76-2 LD50/LC50: Oral, rat: LD50 = 470 mg/kg, 4 hours
Dermal, rabbit: LD50 = 220 mg/kg, 4 hours
Inhalation, rat: LC50 = 450 mg/kg, 8 hours

SECTION XII ECOLOGICAL INFORMATION

This Product Has Not Been Tested As A Whole

Sodium Hydroxide: Ecotoxicity in water (LC50): 80mg/L, 96 hours [Mosquito Fish],
CAS# 1310-73-2 Ecotoxicity in water (LC50): 165 mg/L, 24 hours [Guppy].

Potassium Hydroxide: Ecotoxicity in water (LC50): 80 mg/L, 24 hours, [Mosquito Fish]
CAS# 1310-58-3

2-butoxyethanol: Ecotoxicity in water (LC50): >100 mg/L, 96 hours [Fish]
CAS# 111-76-2

SECTION XIII DISPOSAL CONSIDERATIONS

GENERAL DISPOSAL CONSIDERATIONS: Dispose in accordance with local, state, and federal laws.
Treat the empty container as if it were full. Residue remaining in the container is still hazardous.

SECTION XIV TRANSPORT INFORMATION

PROPER SHIPPING NAME: CORROSIVE LIQUID, N.O.S.
(Sodium Hydroxide and Potassium Hydroxide Solution)

UN/NA NUMBER: UN1760
HAZARD CLASS: 8
PACKING GROUP: III
REPORTABLE QUANTITY:
EMERGENCY RESPONSE GUIDEBOOK: 154
PLACARD/LABELS REQUIRED: Corrosive

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SECTION XV REGULATORY INFORMATION

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

SECTION XVI OTHER INFORMATION

HMIS: Health = 2; Flammability = 0; 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