



SAFETY DATA SHEET

Part No. SVC-GAL, SVC-55-GAL,
& SVC-8

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Revision Date: 08/18/2018
Version: 6.0 (EN)
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Copper Solvent IV

SECTION 1 - IDENTIFICATION

1.1 Product Identifier

Product Name : SVC-GAL - 1 Gallon Copper Solvent IV
Manufacturer Product Number : SVC-55-GAL - 55 Gallon Copper Solvent IV
SVC-8 - 8 fl. oz. Bottle Copper Solvent IV

1.2 Other Means Of Identification

Other Identifiers : Copper Solvent IV
: P5986CT, P5986CT-55 & P5987CT

1.3 Relevant Identified Uses Of The Substance Or Mixture And Uses Advised Against

Recommended Use : Gun cleaning product.
Restrictions On Use : None Identified

1.4 Supplier Details

Manufacturer Details

Company Name : Pro-Shot Products, Inc.
Address : 311 S. Baughman Rd. Taylorville, IL 62568 - United States
Phone Number : 217-824-9133 / 800-477-7922
Fax Number : 271-824-8861 / 800-779-8861
Email : service@proshotproducts.com
Website : www.proshotproducts.com

1.5 24 Hr Emergency Phone Number

Emergency Number : CHEMTREC 1-800-424-3924 USA 1-703-527-3887 INTERNATIONAL CCN#214400

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification Of The Substance Or Mixture

Flammable Liquids, Category 4 : Combustible liquid
Acute Toxicity (Oral), Category 4 : Harmful if swallowed
Acute Toxicity (Dermal), Category 4 : Harmful in contact with skin
Acute Toxicity (Inhalation:Vapour) Category 4 : Harmful if inhaled

2.2 Label Elements

Hazard Pictograms :



GH507

Signal Word : Warning
Hazard Statements : Combustible liquid. Harmful if swallowed, in contact with skin or if inhaled.
Precautionary Statements : Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing vapours. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves and eye protection. If swallowed: Call POISON CENTER if you feel unwell. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call physician if you feel unwell. Rinse mouth. Take off contaminated clothing and wash it before reuse. In case of fire: Use water, CO2, dry chemical, or universal aqueous film forming foam to extinguish. Store in a well-ventilated place. Keep cool. Dispose of contents/container to local regulations.



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2.3 Other Hazards Which Do Not Result In Classification

Hazards Not Otherwise Classified : None Identified.

2.4 Unknown Acute Toxicity

90% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
90% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
90% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

Not Applicable

3.2 Mixture

Ingredient	Cas Number	%	Classification*
2-Butoxyethanol	111-76-2	< 10	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

SECTION 4 - FIRST-AID MEASURES

4.1 Description Of First-Aid Measures

General Measures : IF exposed or concerned: Get medical advice/attention.
Eye Contact : Rinse eyes with water as a precaution.
Skin Contact : Wash skin with plenty of water.
Ingestion : Call a poison center or a doctor if you feel unwell.
Inhalation : Remove person to fresh air and keep comfortable for breathing.
First-Aid Responder Protection : Wear adequate personal protective equipment based on the nature and severity of the emergency.

4.2 Most Important Symptoms And Effects, Both Acute And Delayed

Eye Contact : Liquid contact may cause pain along with moderate eye irritation.
Skin Contact : Prolonged or repeated exposure may cause skin irritation. Repeated contact may cause drying or flaking skin. May cause more severe response if confined to skin.
Ingestion : May cause irritation to membranes of the mouth, throat, and gastrointestinal tract resulting in vomiting and/or cramps. Aspiration of vomit into the lungs may cause inflammation, and possible chemical pneumonitis, bronchopneumonia, or pulmonary oedema.
Inhalation : Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion or death. Irritation of the mucous membranes, coughing, and dyspnea are also possible.

4.3 Indication Of Immediate Medical Attention And Special Treatment

Notes To Physician : Treat symptomatically.
Specific Treatments/Antidotes : No Information Available.
Immediate Medical Attention : No Information Available.

SECTION 5 - FIRE-FIGHTING MEASURES



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5.1 Suitable Extinguishing Media

- Extinguishing Media** : Water, carbon dioxide, dry chemical, universal aqueous film forming foam.
- Unsuitable Media** : Water jet.

5.2 Specific Hazards Arising From The Chemical Or Mixture

- Decomposition Products** : Decomposition products may include: oxides of carbon, smoke, vapors.
- Hazards From The Product** : **CONTENTS COMBUSTIBLE.** In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapors heavier than air may spread along the ground and travel to ignition an source.

5.3 Special Protective Actions For Fire-Fighters

- Protective Actions** : Use water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure.
- Protective Equipment** : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment And Emergency Procedures

- For Non-Emergency Personnel** : No action should be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to do so.
- For Emergency Responders** : Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above.

6.2 Environmental Precautions

- Precautions** : Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

6.3 Methods And Materials For Containment And Cleaning Up

- Containment Procedures** : Released content may be contained with oil/solvent absorbent pads, booms, and/or absorbents.
- Cleanup Procedures** : Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.
- Other Information** : The North American Emergency Response Guidebook or similar resources providing emergency response information for dealing with accidents, spills, leaks, and/or fires involving dangerous goods.
- Prohibited Materials** : Combustible absorbent material such as sawdust. Use of equipment that may cause sparking.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions For Safe Handling

- General Handling Precautions** : **KEEP OUT OF THE REACH OF CHILDREN.** When using in spray application, conformance to NFPA 33 Spray Application using Flammable and Combustible Materials is recommended.
- Hygiene Recommendations** : Do not eat, drink or smoke when using this product. Wash hands thoroughly after use. Remove contaminated clothing and protective equipment before entering eating or smoking areas.

7.2 Conditions For Safe Storage Including Any Incompatibilities

- Storage Requirements** : Storage of flammable materials should conform to NFPA 30 Flammable and Combustible Liquid. Keep containers tightly closed and stored in a well-ventilated place. Keep away from sources of ignition.
- Incompatibilities** : Segregate storage away from materials indicated in Section 10.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION



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8.1 Control Parameters

2-Butoxyethanol (111-76-2)		
ACGIH	ACGIH TWA (ppm)	20 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	240 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	50 ppm
NIOSH	US IDLH (ppm)	700 ppm
NIOSH	NIOSH REL (TWA) (ppm)	5 ppm
California	California PEL (TWA) (mg/m ³)	97 mg/m ³
California	California PEL (TWA) (ppm)	20 ppm
BEI	Butoxyacetic Acid (BAA) in Urine, End of shift	200 mg/g creatinine

8.2 Exposure Controls

Engineering Measures	: Use only with adequate ventilation. General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest OEL from the table above.
Respiratory Protection	: An approved respirator with an organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits. If respirators are needed, in the United States compliance with OSHA standard 29 CFR 1910.134 is necessary.
Skin Protection	: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.
Eye/Face Protection	: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.
Other Protective Equipment	: Safety showers and eye-wash stations should be available in the workplace near where the material will be used.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Properties

Boiling Point	Not Available	Melting / Freezing Point	Not Available
Flash Point, Liquid	> 92.80 °C		
Explosive Limits	Not Available	Autoignition Temperature, Liquid	Not Available
Flammability	Combustible Liquid	Density	1.020 g/cm ³
Molecular Weight	Not Available	Weight	8.512 lbs/gal
Vapor Pressure	Not Available	pH	Not Available
Vapor Density	Not Available	Evaporation Rate (nBAC=1)	Not Available
Viscosity	Not Available	Partition Coefficient	Not Available
Odor Threshold	Not Available	Refractive Index	Not Available
Physical Form	Liquid	Heat Of Combustion	Not Available
Odor	Sweet	Water Solubility	Not Available
Appearance / Color	Amber	Decomposition Temperature	Not Available

9.2 Environmental Properties

Percent Volatile	10.00 % wt	VOC Regulatory	102.00 g/L (0.85 lbs/gal)
Percent VOC	10.00 % wt	VOC Actual	102.00 g/L (0.85 lbs/gal)
Percent HAP	0.00 % wt	HAP Content	0.00 g/L (0.00 lbs/gal)
Global Warming Potential	0.00 GWP	Maximum Incremental Reactivity	0.2900 g O3/g
Ozone Depletion Potential	0.00 ODP		



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SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity : No specific test data related to reactivity is available for this products or its ingredients.

10.2 Chemical Stability

Stability : This product is stable.

10.3 Possibility Of Hazardous Reactions

Reactions : Under normal conditions of storage and use, hazardous reactions are not expected to occur.

10.4 Conditions To Avoid

Conditions : None identified.

10.5 Incompatible Materials

Incompatibilities : Strong Oxidizing Agents, Bases.

10.6 Hazardous Decomposition Products

Products : None identified.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1.1 Information On Toxicological Effects

2-Butoxyethanol (111-76-2)

LD50 Oral (Rat)	917 mg/kg (RTECS)
LD50 Dermal (Rabbit)	1060 mg/kg (Sigma-Aldrich)
LC50 Inhalation (Rat)	3380 mg/m ³ (RTECS)
LC50 Inhalation (Rat)	925 ppm/4h (ChemInfo)

11.1.2 Health Hazard Classification

Skin Corrosion/Irritation : Not classified
Eye Damage/Irritation : Not classified
Respiratory Or Skin Sensitization : Not classified
Germ Cell Mutagenicity : Not classified
Reproductive Toxicity : Not classified
Stot-Single Exposure : Not classified
Stot-Repeated Exposure : Not classified
Aspiration Hazard : Not classified
Carcinogen Data : The following ingredients are listed as known or suspected carcinogens:

2-Butoxyethanol (111-76-2)

ACGIH Category A3 - Confirmed animal carcinogen with unknown relevance to humans

11.1.3 Information On The Likely Routes Of Exposure

Routes Of Exposure : Eye Contact, Ingestion, Skin Contact, Inhalation, Skin Absorption.

11.1.4 Symptoms Related To The Physical, Chemical And Toxicological Characteristics

Symptoms of Exposure : None identified.

11.1.5 Delayed And Immediate Effects And Also Chronic Effects From Short And Long Term Exposure

Delayed Effects : No known delayed effects.

Immediate Effects : No known immediate effects.



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Chronic Effects : No chronic effects identified.
Target Organs : None identified.
Medical Conditions Aggravated : None identified.

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

2-Butoxyethanol (111-76-2)

LC50 fish 1	1490 mg/l Bluegill Sunfish - 96h
LC50 fish 2	1474 mg/l Rainbow Trout - 96hr
EC50 Daphnia 1	1698 - 1940 mg/l Water Flea - 24hr
EC50 other aquatic organisms 1	1840 mg/l Green Algae - 72hr

12.2 Ecological Properties

2-Butoxyethanol (111-76-2)

Persistence and degradability	Biodegradability 90% / 28 days.
Biochemical oxygen demand (BOD)	0.71 g O ₂ /g substance
Chemical oxygen demand (COD)	2.2 g O ₂ /g substance
ThOD	2.305 g O ₂ /g substance
BOD (% of ThOD)	0.31
Log Pow	0.81 (Experimental value; BASF test; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal : Product is suitable for burning in an enclosed, controlled burner for fuel value. Hazard characteristics and regulatory waste stream classification can change with product use and location. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste material must be disposed of in compliance with the respective national, federal, state, and/or local regulations.

Waste Disposal Of Packaging : Consult with your local landfill to determine if empty small containers can be disposed of along with regular trash pickup. For disposal of large containers (typically 10 gallons or larger), or for containers not suitable for landfill, a licensed reconditioner should be used.

Landfill Precautions : Not Available.

Incineration Precautions : Not Available.

SECTION 14 - TRANSPORTATION INFORMATION

Transportation Information

Ground Transportation (DOT)

Air Transportation (IATA)

Ocean Transportation (IMDG)

Non-Regulated Material

SECTION 15 - REGULATORY INFORMATION

15.1 Federal Regulations

TSCA Inventory : All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

SARA 313 Reporting : This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Applicable Federal Regulations : One or more ingredients are regulated by other Federal Regulations.



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2-Butoxyethanol (111-76-2)

SARA Section 311/312 Hazard Classes

Delayed (chronic) health hazard, Fire hazard, Immediate (acute) health hazard.

15.2 State Regulations

California Proposition 65

: This product does not contain any substance known to the State of California to cause cancer, developmental and/or reproductive harm.

State Right-to-Know Lists

: The following ingredients appear on one or more state Right-to-Know lists.

2-Butoxyethanol (111-76-2)

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - Massachusetts - Right To Know List

SECTION 16 - OTHER INFORMATION

SDS Compliance

: This SDS complies with the below listed regulations only. For SDS that comply with other countries, please contact our Regulatory Department at msds@chem-pak.com.
OSHA Hazard Communication Standard (HCS 2012) 29 CFR 1910.1200
Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Revision 3

Disclaimer Of Liability

: The information contained herein is based upon data provided to us by our suppliers, and reflects our best judgement. However, no warranty of merchantability, fitness for any use, or any other warranty or guarantee is expressed or implied regarding the accuracy of such data, or the results to be obtained from use thereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of such application. This information is furnished upon the condition that the persons receiving it shall make their own determinations of the suitability of the material for any particular use. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist.

Full text of H-statements

H Code	H Phrase
H227	Combustible liquid
H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H332	Harmful if inhaled