

Alseal 598 SC Part C

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Alseal 598 SC Part C
Common Name: Proprietary Solvent Blend
SDS Number: A56
Revision Date: 5/8/2015
Version: 1
Chemical Family: Solvent
Supplier Details: Coatings for Industry, Inc.
319 Township Line Road
Souderton, PA 18964

Emergency: Infotrac
Contact: USA: 1-800-535-5053 / International :352-323-3500
Phone: 215-723-0919
Fax: 215-723-0911
Email: cs@cficoatings.com
Web: www.cficoatings.com

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):
Physical, Flammable Liquids, 3

GHS Label elements, including precautionary statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

H226 - Flammable liquid and vapor

GHS Precautionary Statements:

- P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
- P233 - Keep container tightly closed.
- P241 - Use explosion-proof electrical/ventilating/light/equipment.
- P243 - Take precautionary measures against static discharge.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P308+313 - IF exposed or concerned: Get medical advice/attention.
- P403+235 - Store in a well ventilated place. Keep cool.
- P501 - Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
- P201 - Obtain special instructions before use.

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3 COMPOSITION/INFORMATION OF INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
763-69-9	100%	Propanoic acid, 3-ethoxy-, ethyl ester

4 FIRST AID MEASURES

- Inhalation:** If inhaled, remove to fresh air. Give oxygen or artificial respiration if needed. Get immediate medical attention.
- Skin Contact:** Remove contaminated clothing and footwear immediately, and wash before reuse. Discard clothing and footwear which cannot be decontaminated. Wash with soap and water.
- Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Then remove contact lenses, if easily removeable, and continue irrigation for not less than 15 minutes. Get immediate medical attention.
- Ingestion:** If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

5 FIRE FIGHTING MEASURES

Flash Point:	56 deg. C (132 deg. F)
Flash Point Method:	Tag Closed Cup
LEL:	1.05%
UEL:	9.8%

Special Fire Fighting Procedures:

Full emergency equipment with self contained breathing apparatus and full protective clothing should be worn by fire fighters. During a fire, irritating and/or toxic gases and smoke (see reactivity data) may be present from decomposition/combustion. Isolate from heat, electrical equipment, sparks and open flame. Closed container may explode when exposed to extreme heat. Use cold water to cool fire exposed containers to minimize risk of rupture. Solvent vapors may be heavier than air. Stagnant air may cause vapors to accumulate and travel along the ground to an ignition source which may result in a flash back to the source of the vapors.

Extinguishing Media: Dry chemical; carbon dioxide; foam; water spray for large fires. USE WATER WITH CAUTION. Material will float and may ignite on surface of water.

6 ACCIDENTAL RELEASE MEASURES

If material is spilled: Wear suitable protective equipment. Eliminate all ignition sources. Prevent liquid from entering sewers, watercourses or low areas. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

Waste Disposal Method: Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

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7 HANDLING AND STORAGE

Handling Precautions: Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Material is combustible - keep away from heat, sparks and open flame. Take precautions against the buildup of electrostatic charges. Store in tightly closed containers to prevent moisture contamination. Practice caution and good personal cleanliness to avoid contact with skin and eyes. Avoid breathing vapors.
Note: Multi-component system- the cautions and hazards of both components apply to combined product when mixed.

Storage Requirements: Keep away from heat, sparks, and flames.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Exhaust ventilation sufficient to keep the airborne concentrations of the solvents in the workplace below their respective exposure limits.

Personal Protective Equipment: Personal protective equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: > 480 min Material tested: Butoject (KCL 897 / Aldrich Z677647, Size M) Splash contact Material: Nitrile rubber Minimum layer thickness: 0.4 mm Break through time: 79 min Material tested: Camatril (KCL 730 / Aldrich Z677442, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Eye protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Propanoic acid, 3-ethoxy-, ethyl ester (763-69-9) [100%] : Exposure limits are listed below, if they exist.
None established

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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear	Odor:	ester
Physical State:	Liquid	Molecular Formula:	CH ₃ CH ₂ OCH ₂ CH ₂ COOCH ₂ CH ₃
Spec Grav./Density:	0.95	Solubility:	in water: 29g/l
Viscosity:	1.20 mPa.s (25 °C)	Percent Volatile:	By Volume: 100%
Partition Coefficient:	Pow: 22.4 log Pow: 1.35	Freezing/Melting Pt.:	<-50 C / 165-172 C
Vapor Pressure:	3.7 mm Hg. @ 20 C.	Flash Point:	closed cup 58 °C (136 °F) Tag Closed C
Evap. Rate:	12 (N-Butyl Acetate = 100)	Vapor Density:	5.0, air=1
Molecular weight:	146.2 g/mol Literature	VOC:	100%
		Auto-Ignition Temp:	377 °C (ASTM E659)
		UFL/LFL:	9.8%/1.05% by Volume

10 STABILITY AND REACTIVITY

Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Heat, flames and sparks
Materials to Avoid:	Oxidizing agents
Hazardous Decomposition:	Carbon dioxide and carbon monoxide. Forms peroxides of unknown stability.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Propanoic acid, 3-ethoxy-, ethyl ester (763-69-9) [100%]

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - male - > 5,000 mg/kg

LD50 Oral - rat - female - 4,309 mg/kg

Inhalation LC50 LC50 Inhalation - rat - male - 6 h - > 998 ppm

Dermal LD50 LD50 Dermal - rabbit - male - 4,080 mg/kg

LD50 Dermal - rabbit - female - 4,680 mg/kg

Other information on acute toxicity no data available

Skin corrosion/irritation: Skin - rabbit - Slight - 4 h - OECD Test Guideline 404

Serious eye damage/eye irritation: Eyes - rabbit - Slight- 24 h - OECD Test Guideline 405

Respiratory or skin sensitisation: guinea pig - Does not cause skin sensitisation. - OECD Test Guideline 406

Germ cell mutagenicity: Genotoxicity in vitro - S. typhimurium - with and without metabolic activation - negative

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): no data available

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Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: Nausea, Headache, Vomiting, Central nervous system depression, Dizziness

Synergistic effects: no data available

Additional Information:

Repeated dose toxicity - rat - male and female - Oral - No observed adverse effect level - 1,000 mg/kg RTECS: UF3325000

12	ECOLOGICAL INFORMATION
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Propanoic acid, 3-ethoxy-, ethyl ester (763-69-9) [100%]

Information on ecological effects

Toxicity:

Toxicity to fish static test LC50 - Pimephales promelas (fathead minnow) - 55.3 mg/l - 96 h. Method: OECD Test Guideline 203

static test LC50 - Pimephales promelas (fathead minnow) - 45.3 mg/l - 96 h

Toxicity to daphnia Immobilization EC50 - Daphnia magna (Water flea) - > 479.7 mg/l - 48 h. and other aquatic Method: OECD Test Guideline 202 invertebrates

Immobilization EC50 - Daphnia magna (Water flea) - 785 mg/l - 48 h

Toxicity to algae Growth inhibition EC50 - Selenastrum capricornutum (green algae) - > 114.86 mg/l - 72 h. Method: OECD Test Guideline 201

Toxicity to bacteria Growth inhibition IC50 - other microorganisms - > 5,000 mg/l - 16 h.

Persistence and degradability: 100 % (28 d, Ready Biodegradability: CO2 Evolution Test) Readily biodegradable

Bioaccumulative potential: no data available

Mobility in soil: Log Koc: 1.52 (QSAR model)

PBT and vPvB assessment: Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life.

13	DISPOSAL CONSIDERATIONS
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Waste Disposal Method

Waste disposal should be in accordance with existing federal, state and local environmental control laws

Empty Container Precautions

Do not heat or cut container with electric or gas torch. Recondition or dispose of empty container in accordance with governmental regulations. Do not reuse empty container without proper cleaning. Label precautions also apply to this container when empty.

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14 TRANSPORT INFORMATION

UN1263, Paint related material including paint thinning, drying, removing, or reducing compound, 3

*If quantity is in a non bulk packaging (less than 119 gallons), this material ships as DOT non regulated unless the combustible liquid is a hazardous substance or a hazardous waste.

IMO/IMDG

ICAO/IATA

Hazard Label: Flammable Liquid

Hazard Placard: Flammable Liquid

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Propanoic acid, 3-ethoxy-, ethyl ester (763-69-9) [100%] TSCA

Regulatory CODE Descriptions

TSCA = Toxic Substances Control Act

16 OTHER INFORMATION

NOTICE: This information is presented in good faith and believed to be accurate as of the effective date below. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Coatings For Industry, Inc. assumes no responsibility for personal injury or property damage to vendees, users, or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material. Regulatory requirements are subject to change and may differ from one location to another: it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The preceding specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.

SDS