
Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

SELVOL™ Polyvinyl Alcohol, copolymer

Trade Names

The following specific grades of SELVOL™ are covered by this SDS:

203, 203S, 205, 205S, 418, 425, 430, 443, 503, 502, 502S, 504, 508, 513, 513S, 518, 523, 523S, 528, 530, 540, 540S, 805, 818, 823, 830, 840, WS-53NF, WS-724

Synonyms

Polyvinyl alcohol, PVA

Chemical Family

Acetic acid ethenyl ester, polymer with ethanol.

Product Use

Intermediate, surfactant, Adhesive, Food/feedstuff additives. packaging, Auxiliary for leather, Auxiliary for textile

Restrictions on Use

None known.

Manufacturer InformationSekisui Specialty Chemicals America, LLC
1501 LBJ Freeway, Suite 530
Dallas, TX 75234**Emergency Phone Numbers:**

In USA: CHEMTREC 800-424-9300

Outside USA: CHEMTREC 703-527-3887 (collect calls accepted)

Phone: +1-972-277-2900

www.sekisui-sc.com

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

Combustible Dust

GHS Label Elements**Symbol(s)**

None needed according to classification criteria

Signal Word

Warning

Hazard Statement(s)

May form combustible dust concentrations in air

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Precautionary Statement(s)

Prevention

None needed according to classification criteria

Response

None needed according to classification criteria

Storage

None needed according to classification criteria

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| CAS | Component Name | Percent |
|------------|--|---------|
| 25213-24-5 | Acetic acid ethenyl ester polymer with ethenol | > 91 |
| 67-56-1 | Methyl alcohol | < 0.9 |

Section 4 - FIRST AID MEASURES

Description of Necessary Measures

Wash thoroughly after handling. Avoid breathing dust. Use only outdoors or in a well-ventilated area.

Inhalation

IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin

Wash with plenty of soap and water. If skin irritation or rash occurs, seek medical advice/attention. Wash contaminated clothing before reuse.

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

If a large amount is swallowed, get medical attention.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

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Most Important Symptoms/Effects

Acute

No information on significant adverse effects.

Delayed

No information on significant adverse effects.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

carbon dioxide, regular dry chemical, alcohol-resistant foam, water spray.

Unsuitable Extinguishing Media

Do not scatter spilled material with high-pressure water streams.

Special Hazards Arising from the Chemical

Combustible Dust. Dust/air mixtures may ignite or explode. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Hazardous Combustion Products

oxides of carbon.

Special Protective Equipment and Precautions for Firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

Fire Fighting Measures

Avoid inhalation of material or combustion by-products. Move material from fire area if it can be done without risk. Use extinguishing agents appropriate for surrounding fire. Dike for later disposal. Stay upwind and keep out of low areas.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Avoid contact with skin and eyes. Do not breathe dust. Keep unnecessary people away, isolate hazard area and deny entry. The mixture is slippery when wet.

Methods and Materials for Containment and Cleaning Up

Avoid generation of dust. Collect spilled material in appropriate container for disposal. Dispose of contents/container in accordance with local/regional/national/international regulations.

Environmental Precautions

Avoid generation of dust. Remove all sources of ignition. Ventilate affected area. Discharge into the environment must be avoided.

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Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Use methods to minimize dust. Minimize dust generation and accumulation. Use this material with adequate ventilation. Keep container tightly closed. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

Conditions for Safe Storage, Including any Incompatibilities

None needed according to classification criteria

Store at room temperature. Store in original container. Stacking height must not exceed three pallets.

Incompatible Materials

reactive metals, oxidizing agents, peroxides, perchlorates, nitrates.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

| | |
|--|---|
| Acetic acid ethenyl ester polymer with ethenol | 25213-24-5 |
| ACGIH: | 10 mg/m ³ TWA inhalable particles, recommended; 3 mg/m ³ TWA respirable particles, recommended (related to Particulates not otherwise classified (PNOC)) |
| OSHA (US): | 15 mg/m ³ TWA total dust; 5 mg/m ³ TWA respirable fraction (related to Particulates not otherwise classified (PNOC)) |
| | 15 mppcf TWA respirable fraction; 5 mg/m ³ TWA respirable fraction; 50 mppcf TWA total dust; 15 mg/m ³ TWA total dust (related to Particulates not otherwise classified (PNOC)) |
| Methyl alcohol | 67-56-1 |
| ACGIH: | 200 ppm TWA |
| | 250 ppm STEL |
| | Skin - potential significant contribution to overall exposure by the cutaneous route |
| NIOSH: | 200 ppm TWA; 260 mg/m ³ TWA |
| | 250 ppm STEL; 325 mg/m ³ STEL |



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| | |
|------------|--|
| | Potential for dermal absorption |
| | 6000 ppm IDLH |
| Europe: | 200 ppm TWA; 260 mg/m ³ TWA |
| | Possibility of significant uptake through the skin |
| OSHA (US): | 200 ppm TWA; 260 mg/m ³ TWA |
| Mexico: | 200 ppm TWA LMPE-PPT; 260 mg/m ³ TWA LMPE-PPT |
| | 250 ppm STEL [LMPE-CT]; 310 mg/m ³ STEL [LMPE-CT] |
| | Skin - potential for cutaneous absorption |

Biological limit value

There are no biological limit values for any of this product's components.

Engineering Controls

Provide local exhaust ventilation system. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection

Wear safety glasses.

Skin Protection

Wear appropriate chemical resistant clothing.

Respiratory Protection

A NIOSH approved air-purifying respirator with an appropriate cartridge or canister may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|----------------------------|-----------------|----------------------------------|--|
| Appearance | granular powder | Physical State | Solid |
| Odor | odorless | Color | white to off-white |
| Odor Threshold | Not available | pH | 4.5 - 6.5 (conc. 4%) |
| Melting Point | 230 - 240 °C | Boiling Point | Not available |
| Freezing point | Not available | Evaporation Rate | Not available |
| Boiling Point Range | Not available | Flammability (solid, gas) | Minimum Dust Cloud Ignition Temperature: 280°C |
| Autoignition | Not available | Flash Point | Not available |

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| | | | |
|------------------------------|--|---|-----------------------|
| Lower Explosive Limit | Not available | Decomposition | Not available |
| Upper Explosive Limit | Not available | Vapor Pressure | Not available |
| Vapor Density (air=1) | Not available | Specific Gravity (water=1) | 1.27 - 1.31 (@ 20 °C) |
| Water Solubility | Soluble in hot water | Partition coefficient: n-octanol/water | Not available |
| Viscosity | Not available | Solubility (Other) | Not available |
| Bulk Density | 0.61 - 0.67 g.cm ³ at 20 °C hPa | Density | Not available |

Section 10 - STABILITY AND REACTIVITY

Reactivity

No hazard expected.

Chemical Stability

Stable under normal conditions of use.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Avoid generating dust. Avoid contact with incompatible materials.

Incompatible Materials

reactive metals, oxidizing agents, peroxides, perchlorates, nitrates.

Hazardous decomposition products

oxides of carbon

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation

No information on significant adverse effects.

Skin Contact

No information on significant adverse effects.

Eye Contact

No information on significant adverse effects.

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Ingestion

No information on significant adverse effects.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Methyl alcohol (67-56-1)

Oral LD50 Rat 6200 mg/kg

Inhalation LC50 Rat 22500 ppm 8 h

Immediate Effects

No information on significant adverse effects.

Delayed Effects

No information on significant adverse effects.

Irritation/Corrosivity Data

May cause mechanical irritation.

Respiratory Sensitization

No data available.

Dermal Sensitization

No data available.

Germ Cell Mutagenicity

No data available.

Reproductive Toxicity

No hazard expected. See information on methanol.

Specific Target Organ Toxicity - Single Exposure

None known.

Specific Target Organ Toxicity - Repeated Exposure

None known.

Aspiration hazard

No data available.

Medical Conditions Aggravated by Exposure

No data available.

Section 12 - ECOLOGICAL INFORMATION

Component Analysis - Aquatic Toxicity

| | |
|--|------------|
| Acetic acid ethenyl ester polymer with ethenol | 25213-24-5 |
|--|------------|



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| | |
|----------------|--|
| Fish: | LC50 96 hours Lepomis macrochirus (Bluegill sunfish) 10 g/L; LC50 96 hours Pimephales promelas (Fathead minnow) 40 g/L |
| Invertebrate: | EC50 48 hours Daphnia magna 8300 mg/L |
| Methyl alcohol | 67-56-1 |
| Fish: | LC50 96 h Pimephales promelas 28200 mg/L [flow-through]; LC50 96 h Pimephales promelas >100 mg/L [static]; LC50 96 h Oncorhynchus mykiss 19500 - 20700 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 18 - 20 mL/L [static]; LC50 96 h Lepomis macrochirus 13500 - 17600 mg/L [flow-through] |

Bioaccumulative Potential

Low.

Biodegradation

90%

Chemical Oxygen Demand (COD)

Ca. 1700 mgO₂/g

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents/container in accordance with local/regional/national/international regulations. Product is not an EPA hazardous waste.

Section 14 - TRANSPORT INFORMATION

US DOT Information:

UN/NA #: Not Regulated

TDG Information:

UN#: Not Regulated

IATA Information:

No Classification assigned.

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations



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This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

| | |
|----------------|------------------------------------|
| Methyl alcohol | 67-56-1 |
| SARA 313: | 1 % de minimis concentration |
| CERCLA: | 5000 lb final RQ; 2270 kg final RQ |

SARA Section 311/312 (40 CFR 370 Subparts B and C)

Acute Health: No Chronic Health: No Fire: No Pressure: No Reactivity: No

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

| Component | CAS | CA | MA | MN | NJ | PA |
|----------------|---------|-----|-----|-----|-----|-----|
| Methyl alcohol | 67-56-1 | Yes | Yes | Yes | Yes | Yes |

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects

| | |
|----------------|------------------------------------|
| Methyl alcohol | 67-56-1 |
| Repro/Dev. Tox | developmental toxicity , 3/16/2012 |

Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

| | |
|----------------|---------|
| Methyl alcohol | 67-56-1 |
| | 1 % |

WHMIS Classification

D2B

Component Analysis - Inventory

Acetic acid ethenyl ester polymer with ethenol (25213-24-5)

| US | CA | EU | AU | PH | JP - ENCS | JP - ISHL | KR - KECI/KECL | KR - TCCA | CN | NZ | MX |
|-----|-----|----|-----|-----|-----------|-----------|----------------|-----------|-----|-----|-----|
| Yes | DSL | No | Yes | Yes | Yes | No | Yes | No | Yes | Yes | Yes |

Methyl alcohol (67-56-1)

| US | CA | EU | AU | PH | JP - ENCS | JP - ISHL | KR - KECI/KECL | KR - TCCA | CN | NZ | MX |
|----|----|----|----|----|-----------|-----------|----------------|-----------|----|----|----|
| | | | | | | | | | | | |



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| | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|----|-----|----|-----|-----|-----|
| Yes | DSL | EIN | Yes | Yes | Yes | No | Yes | No | Yes | Yes | Yes |
|-----|-----|-----|-----|-----|-----|----|-----|----|-----|-----|-----|

Section 16 - OTHER INFORMATION

HMIS Rating

Health: 1 Fire: 1 Reactivity: Not available

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

NFPA Ratings

Health: 1 Fire: 1 Reactivity: Not available

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Summary of Changes

New SDS: 5/18/2015

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

Other Information

Reasonable care has been taken in the preparation of this information; however, the manufacturer makes no warranty whatsoever including the warranty of merchantability, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental, consequential, or other such damages resulting from its use or misuse.



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Disclaimer:

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