

**SELVOL™ Polyvinyl alcohol, 5-30% solutions 15-103, 12-107, 08-125, 09-325**

Version number: 1.0

## 1 Identification

### 1.1 Product identifier

**Trade name** SELVOL™ Polyvinyl alcohol, 5-30% solutions 15-103, 12-107, 08-125, 09-325

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses**

- Intermediate
- Surfactant
- Component for adhesives
- Food or feeding stuff
- Packaging
- Leather auxiliary
- Textile auxiliary

### 1.3 Details of the supplier of the safety data sheet

Sekisui Specialty Chemicals America, LLC 1501 LBJ Freeway, Suite 530 Dallas, TX 75234 United States	Telephone: +1-972-277-2900 Website: www.sekisui-sc.com
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### 1.4 Emergency telephone number

Poison center		
Country	Name	Telephone
-	CHEMTREC International (outside USA)	1-703-527-3887

As above or nearest toxicological information centre.

## 2 Hazard identification

### 2.1 Classification of the substance or mixture

**Classification acc. to GHS**

Classification				
Section	Hazard class	Category	Hazard class and category	Hazard statement
3.4S	skin sensitization	1	Skin Sens. 1	H317

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For full text of abbreviations: see SECTION 16

## 2.2 Label elements

### Labeling

**Signal word** warning

### Pictograms

**GHS07**



### Hazard statements

**H317** May cause an allergic skin reaction.

### Precautionary statements

**P261** Avoid breathing dust/fume/gas/mist/vapours/spray.

**P272** Contaminated work clothing should not be allowed out of the workplace.

**P280** Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

**P302+P352** IF ON SKIN: Wash with plenty of water.

**P333+P313** If skin irritation or rash occurs: Get medical advice/attention.

**P362+P364** Take off contaminated clothing and wash it before reuse.

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazardous ingredients for labelling** reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

## 2.3 Other hazards

Special danger of slipping by leaking/spilling product.

### Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of  $\geq 0.1\%$ .

## 3 Composition/ Information on ingredients



### 3.1 Substances

Not relevant (mixture).

### 3.2 Mixtures

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## Description of the mixture

Hazardous ingredients						
Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms	Notes	Specific Conc. Limits
methanol	CAS No 67-56-1	0.1 – < 1	Flam. Liq. 2 / H225 Acute Tox. 3 / H301 Acute Tox. 3 / H311 Acute Tox. 3 / H331 STOT SE 1 / H370		-	-
reaction mass of 5-chloro-2- methyl-2H-iso- thiazol-3-one and 2-methyl-2H-iso- thiazol-3-one (3:1)	CAS No 55965-84-9	0 – < 0.1	Acute Tox. 3 / H301 Acute Tox. 2 / H310 Acute Tox. 2 / H330 Skin Corr. 1C / H314 Eye Dam. 1 / H318 Skin Sens. 1A / H317 EUH071		-	Skin Sens. 1A; H317: C ≥ 0.0015 %

For full text of H-phrases: see SECTION 16

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

## 4 First-aid measures

### 4.1 Description of first-aid measures

#### General notes

Self-protection of the first aider.

Remove affected person from the danger area and lay down.

Do not leave affected person unattended.

Take off immediately all contaminated clothing.

In all cases of doubt, or when symptoms persist, seek medical advice.

#### Following inhalation

Provide fresh air.

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions.

#### Following skin contact

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

#### Following eye contact

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.

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## Following ingestion

Rinse mouth. Do not induce vomiting.  
Get medical advice/attention if you feel unwell.

## Notes for the doctor

None.

## 4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

## 4.3 Indication of any immediate medical attention and special treatment needed

None.

## 5 Fire-fighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

water spray, alcohol resistant foam, fire extinguishing powder, carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

water jet

### 5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products: Section 10.

#### Hazardous combustion products

carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

Keep containers cool with water spray.  
In case of fire and/or explosion do not breathe fumes.  
Coordinate firefighting measures to the fire surroundings.  
Do not allow firefighting water to enter drains or water courses.  
Collect contaminated firefighting water separately.  
Fight fire with normal precautions from a reasonable distance.

#### Special protective equipment for firefighters

chemical protective clothing, self-contained breathing apparatus (SCBA)

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## 6 Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Remove persons to safety.

Ventilate affected area.

Avoid contact with skin and eyes.

Special danger of slipping by leaking/spilling product.

Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

#### For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

### 6.2 Environmental precautions

In case of formation of gases/vapors/mists suppress with water spray

Keep away from drains, surface and ground water.

Retain contaminated washing water and dispose of it.

If substance has entered a water course or sewer, inform the responsible authority.

### 6.3 Methods and material for containment and cleaning up

#### Advice on how to clean up a spill

Collect spillage.

Absorbent material (e.g. sand, diatomaceous earth, acid binder, universal binder, sawdust, etc.).

#### Appropriate containment techniques

Use of adsorbent materials.

#### Other information relating to spills and releases

Place in appropriate containers for disposal.

Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5.

Personal protective equipment: see section 8.

Incompatible materials: see section 10.

Disposal considerations: see section 13.

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## 7 Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes.

Do not breathe vapor/spray.

#### Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation.

#### Specific notes/details

None.

#### Handling of incompatible substances or mixtures

Do not mix with oxidizer

#### Keep away from

metals, peroxides, perchlorates, nitrates

#### Measures to protect the environment

Avoid release to the environment.

#### Advice on general occupational hygiene

Do not eat, drink and smoke in work areas.

Wash hands after use.

Preventive skin protection (barrier creams/ointments) is recommended.

Remove contaminated clothing and protective equipment before entering eating areas.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Flammability hazards

None.

#### Incompatible substances or mixtures

Incompatible materials: see section 10.

Observe compatible storage of chemicals.

#### Protect against external exposure, such as

frost

#### Consideration of other advice

These information are not available.

#### Ventilation requirements

Provision of sufficient ventilation.

#### Specific designs for storage rooms or vessels

Keep container tightly closed and in a well-ventilated place.

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## Packaging compatibilities

Keep only in original container.

## 7.3 Specific end use(s)

No information available.

## 8 Exposure controls/ Personal protection

### 8.1 Control parameters

The following constituents are the only constituents of the product which have a OEL, a PEV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Occupational exposure limit values (Workplace Exposure Limits)									
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Notation	Source
CA	methanol	67-56-1	OEL (BC)	200	-	250	-	H	"BC Regulation"
CA	methanol (methyl alcohol)	67-56-1	OEL (AB)	200	262	250	328	H	OHS Code
CA	methyl alcohol	67-56-1	PEV/VEA	200	262	250	328	H	Regulation OHS

#### Notation

H absorbed through the skin

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

### 8.2 Exposure controls

#### Appropriate engineering controls

Use local and general ventilation.

#### Individual protection measures (personal protective equipment)

##### Eye/face protection

Wear eye/face protection

Rinse immediately carefully and thoroughly with eye shower or water.

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## Hand protection

Protective gloves		
Material	Material thickness	Breakthrough times of the glove material
CR: chloroprene (chlorobutadiene) rubber	no information available	no information available

Wear suitable gloves.

Wear appropriate chemical resistant gloves.

Check leak-tightness/impermeability prior to use.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

## Body protection

Protective clothing against liquid chemicals.

## Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## Environmental exposure controls

Use appropriate container to avoid environmental contamination.

Keep away from drains, surface and ground water.

## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	liquid (viscous)
<b>Color</b>	colorless to pale yellow
<b>Odor</b>	odorless
<b>Melting point/freezing point</b>	not determined
<b>Boiling point or initial boiling point and boiling range</b>	100 °C
<b>Flammability</b>	non-combustible
<b>Lower and upper explosion limit</b>	not determined
<b>Flash point</b>	not determined
<b>Auto-ignition temperature</b>	not determined
<b>Decomposition temperature</b>	not relevant
<b>pH (value)</b>	5 – 7.5 (in aqueous solution: 10 wt%)



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<b>Kinematic viscosity</b>	not determined
<b>Dynamic viscosity</b>	not determined
<b>Solubility(ies)</b>	
Water solubility	not miscible in any proportion
<b>Partition coefficient n-octanol/water (log value)</b>	not determined
Vapor pressure	not determined
<b>Density and/or relative density</b>	
Density	not determined
Relative vapour density	this information is not available
Relative density	1.02 – 1.058 at 20 °C (water = 1)
<b>Particle characteristics</b>	not relevant (liquid)

## 9.2 Other information

<b>Information with regard to physical hazard classes</b>	hazard classes acc. to GHS (physical hazards): not relevant
<b>Other safety characteristics</b>	there is no additional information

## 10 Stability and reactivity

### 10.1 Reactivity

This material is not reactive under normal ambient conditions.

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

Frost.

### 10.5 Incompatible materials

oxidizers, metal, peroxides, perchlorates, nitrate

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## 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known.

Hazardous combustion products: see section 5.

## 11 Toxicological information

### 11.1 Information on toxicological effects

#### Classification procedure

If not otherwise specified the classification is based on:  
Ingredients of the mixture (additivity formula).

#### Classification acc. to GHS

#### Acute toxicity

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

#### Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	End-point	Value	Species	Method	Source
methanol	67-56-1	oral	LD50	1,187 – 2,769 mg/kg	rat	-	ECHA
methanol	67-56-1	dermal	LD50	17,100 mg/kg	rabbit	-	ECHA
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	oral	LD50	64 mg/kg	rat	-	ECHA
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	dermal	LD50	87.12 mg/kg	rabbit, male	-	ECHA
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	inhalation: dust/mist	LC50	0.171 mg/l/4h	rat	OECD Guideline 403	ECHA

#### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

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## Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

## Respiratory or skin sensitization Skin sensitization

May cause an allergic skin reaction.

## Respiratory sensitization

Classification could not be established because:  
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

## Germ cell mutagenicity

Classification could not be established because:  
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

## Carcinogenicity

### IARC Monographs

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans			
Name of substance	CAS No	Classification	Number
polyvinyl alcohol	9002-89-5	3	-

### Legend

3 Not classifiable as to carcinogenicity in humans

## National Toxicology Program (United States)

None of the ingredients are listed.

## OSHA Carcinogens

None of the ingredients are listed.

## Reproductive toxicity

Classification could not be established because:  
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

## Specific target organ toxicity - single exposure

Classification could not be established because:  
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

## Specific target organ toxicity - repeated exposure

Classification could not be established because:  
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

## Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

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## 11.2 Other information

There is no additional information.

## 12 Ecological information

### 12.1 Toxicity

#### Aquatic toxicity (acute)

Test data are not available for the complete mixture.

Based on available data, the classification criteria are not met.

#### Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Exposure time	Value	Species	Method	Source
methanol	67-56-1	LC50	96 h	15,400 mg/l	bluegill (Lepomis macrochirus)	EPA-660/3-75-009	ECHA
methanol	67-56-1	EC50	96 h	12,700 mg/l	bluegill (Lepomis macrochirus)	EPA-660/3-75-009	ECHA
methanol	67-56-1	EC50	96 h	18,260 mg/l	daphnia magna	OECD Guideline 202	ECHA
methanol	67-56-1	ErC50	96 h	~22,000 mg/l	algae (pseudokirchneriella subcapitata)	OECD Guideline 201	ECHA
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	LC50	96 h	0.19 mg/l	rainbow trout (Oncorhynchus mykiss)	EPA OPP 72-1	ECHA
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	EC50	48 h	0.007 mg/l	crustacea: Acartia tonsa	-	ECHA

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Name of substance	CAS No	Endpoint	Exposure time	Value	Species	Method	Source
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	ErC50	72 h	6.3 µg/l	algae (Skeletonema costatum)	OECD Guideline 201	ECHA

**Aquatic toxicity (chronic)**

Test data are not available for the complete mixture.

**Aquatic toxicity (chronic) of components of the mixture**

Name of substance	CAS No	Endpoint	Exposure time	Value	Species	Method	Source
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	LC50	14 d	0.07 mg/l	rainbow trout (Oncorhynchus mykiss)	OECD Guideline 204	ECHA
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	EC50	21 d	>0.18 mg/l	daphnia magna	EPA OPP 72-4	ECHA
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	NOEC	72 h	1.4 µg/l	algae (pseudokirchneriella subcapitata)	OECD Guideline 201	ECHA
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	NOEC	35 d	≥46.4 µg/l	zebra fish (Danio rerio)	OECD Guideline 210	ECHA

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Name of substance	CAS No	Endpoint	Exposure time	Value	Species	Method	Source
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	NOEC	21 d	11.1 µg/l	daphnia magna	OECD Guideline 211	ECHA
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	NOEC	3 h	0.91 mg/l	activated sludge of a predominantly domestic sewage	OECD Guideline 209	ECHA
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	LOEC	28 d	0.144 mg/l	rainbow trout (Oncorhynchus mykiss)	OECD Guideline 215	ECHA

## 12.2 Persistence and degradability

### Biodegradation

No data available.

### Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time	Method	Source
methanol	67-56-1	oxygen depletion	95 %	20 d	-	ECHA
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	carbon dioxide generation	38.8 %	29 d	OECD Guideline 301 B	ECHA

### Persistence

No data available.

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## 12.3 Bioaccumulative potential

Test data are not available for the complete mixture.

### Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW
methanol	67-56-1	<10	-0.77
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	-	≥-0.34 - ≤0.63 (pH value: 7, 10 °C)

## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0.1%.

## 12.6 Other adverse effects

Data are not available.

### Remarks

Keep away from drains, surface and ground water.

## 13 Disposal considerations

### 13.1 Waste treatment methods

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

#### Sewage disposal-relevant information

Do not empty into drains.

#### Waste treatment of containers/packages

Completely emptied packages can be recycled.  
Handle contaminated packages in the same way as the substance itself.

### Remarks

Please consider the relevant national or regional provisions.

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**14 Transport information**

- 14.1 UN number not assigned
- 14.2 UN proper shipping name -
- 14.3 Transport hazard class(es) -
- 14.4 Packing group -
- 14.5 Environmental hazards -
- 14.6 Special precautions for user -
- 14.7 Transport in bulk according to IMO instruments -

**14.8 Information for each of the UN Model Regulations**

**Transport information National regulations Additional information (UN RTDG)**

Not subject to transport regulations: UN RTDG

**15 Regulatory information**

**15.1 Safety, health and environmental regulations specific for the product in question**

**National regulations (United States)**

**Toxic Substance Control Act (TSCA)** Not all ingredients are listed (ACTIVE)

**Superfund Amendment and Reauthorization Act (SARA TITLE III )**

**The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)**

None of the ingredients are listed

**Specific Toxic Chemical Listings (EPCRA Section 313)**

<b>Toxics Release Inventory: Specific Toxic Chemical Listings</b>				
<b>Name of substance</b>	<b>Name acc. to inventory</b>	<b>CAS No</b>	<b>Remarks</b>	<b>Effective date</b>
methanol	methanol	67-56-1	-	1987-01-01

**Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)**



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## List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

Name of substance	Name acc. to inventory	CAS No	Remarks	Stat- utory code	Final RQ pounds (Kg)
methanol	Methanol; Methyl alcohol	67-56-1	-	3 4	5000 (2270)

### Legend

3 "3" indicates that the source is section 112 of the Clean Air Act

4 "4" indicates that the source is section 3001 of the Resource Conservation and Recovery Act (RCRA)

## Clean Air Act

None of the ingredients are listed

## Right to Know Hazardous Substance List

### Toxic or Hazardous Substance List (MA-TURA)

Name of substance	Name acc. to inventory	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Thres hold	De Minimis Concentra- tion Threshold
methanol	Methanol	67-56-1	-	-	-	1.0 %

### Hazardous Substances List (MN-ERTK)

Name of substance	Name acc. to inventory	CAS No	References	Remarks
polyvinyl alcohol	Dust, Inert or Nuisance (When toxic impurities are not present, for example, quartz less than 1 percent.)	-	A	dust

### Legend

A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH

dust If the substance poses an airborne particulate exposure hazard, the substance is followed by the word "dust."

### Hazardous Substance List (NJ-RTK)

Name of substance	Name acc. to in- ventory	CAS No	Remarks	Classifica- tions	Lis- ted in	Sub- stanc e num- ber	DOT num- ber
methanol	methyl alcohol (meth- anol) (methanol)	67-56- 1	-	TE F3.	1 2 3	1222	1230

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Name of substance	Name acc. to inventory	CAS No	Remarks	Classifications	Listed in	Substance number	DOT number
					4 6 8 15 17 18 20 21		
methyl acetate	methyl acetate (acetic acid, methyl ester)	79-20-9	-	F3.	1 2 3 4 15 17	1217	1231

**Legend**

- 1 Occupational Safety and Health Administration, 29 CFR 1910-Occupational Safety and Health Standards, Subpart Z-Toxic and Hazardous Substances, July 1, 2008.
- 15 "Fire Protection Guide to Hazardous Materials," NFPA 49 (Hazardous Chemicals Data), NFPA 325 (Guide to Fire Hazard Properties of Flammable Liquids, Gases, and Volatile Solids), and NFPA 704 (Standard System for the Identification of the Hazards of Materials for Emergency Response), National Fire Protection Association (NFPA), 2001.
- 17 "2008 Emergency Response Guidebook," Research and Special Programs Administration, U.S. Department of Transportation, 2008.
- 18 List of Toxic Release Inventory Chemicals, Section 313, Emergency Planning and Community Right to Know Act (EPCRA), Toxic Release Inventory (TRI) Program, U.S. Environmental Protection Agency, 40 CFR 372.65, July 1, 2008.
- 2 "2009 TLVs® and BEIs®, Threshold Limit Values and Biological Exposure Indices," American Conference of Governmental Industrial Hygienists (ACGIH), 2009.
- 20 List of Hazardous Substances and Reportable Quantities (RQ), Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), U.S. Environmental Protection Agency, 40 CFR 302, Table 302.4, July 1, 2008.
- 21 21. Hazardous Wastes from the P and U Lists, Resource Conservation and Recovery Act (RCRA), U.S. Environmental Protection Agency, 40 CFR 261.33, July 1, 2008.
- 3 Office of Hazardous Materials Safety, Research and Special Programs Administration, U.S. Department of Transportation, 49 CFR 172.101-Hazardous Materials Table, October 1, 2008.
- 4 "NIOSH Pocket Guide to Chemical Hazards," National Institute for Occupational Safety and Health (NIOSH), U.S. Department of Health and Human Services, No. 2005-149, September 2005.
- 6 "Environmental Hazardous Substance List," New Jersey Department of Environmental Protection, N.J.A.C. 7:1G-2, as printed in the Community Right to Know Survey Instruction Book, 2008.
- 8 Integrated Risk Information System (IRIS) Database for Risk Assessment, Office of Research and Development, National Center for Environmental Assessment, U.S. Environmental Protection Agency (EPA), September 2008.
- F3 Flammable - Third Degree
- TE Teratogenic

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**Hazardous Substance List (Chapter 323) (PA-RTK)**

Name acc. to inventory	CAS No	Classification
METHANOL	67-56-1	E

**Legend**

E Environmental hazard

**Hazardous Substance List (RI-RTK)**

Name of substance	Name acc. to inventory	CAS No	References
methanol	methyl alcohol	67-56-1	T, F
methyl acetate	methyl acetate	79-20-9	T, F

**Legend**

F Flammability (NFPA®)

T Toxicity (ACGIH®)

**California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987**

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
methanol	67-56-1	-	developmental

**Drug precursors, Chemicals designated within the Controlled Substances Act, 21 U.S.C. § 802, paragraphs 34 (list I) and 35 (list II)**

None of the ingredients are listed

**Industry or sector specific available guidance(s)**

**NPCA-HMIS® III**

Category	Rating	Description
Chronic	/	none
Health	2	temporary or minor injury may occur
Flammability	0	material that will not burn under typical fire conditions
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	-

# SELVOL™ Polyvinyl alcohol, 5-30% solutions 15-103, 12-107, 08-125, 09-325

## NFPA® 704

Category	Degree of hazard	Description
Flammability	0	material that will not burn under typical fire conditions
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard	-	-

## National regulations (Canada)

Domestic Substances List (DSL)

All ingredients are listed.

## 16 Other information

Date of preparation: 2023-08-25

## Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
"BC Regulation"	OHS Regulation: Section 5.48 (British Columbia)
ACGIH®	American Conference of Governmental Industrial Hygienists
Acute Tox.	Acute toxicity
BCF	Bioconcentration factor
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
DEP CODE	Department of Environmental Protection Code
DGR	Dangerous Goods Regulations (see IATA/DGR)
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
Flam. Liq.	Flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations

## SELVOL™ Polyvinyl alcohol, 5-30% solutions 15-103, 12-107, 08-125, 09-325

Abbr.	Descriptions of used abbreviations
HHS	Higher hazard substance
IARC	International Agency for Research on Cancer
IARC Mono- graphs	IARC Monographs on the Evaluation of Carcinogenic Risks to Humans
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
IMDG	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
LHS	Lower hazard substance
LOEC	Lowest Observed Effect Concentration
log KOW	n-Octanol/water
NFPA®	National Fire Protection Association (United States)
NOEC	No Observed Effect Concentration
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OHS Code	Occupational Health and Safety Code: Occupational exposure limits for chemical substances (Alberta)
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
Regulation OHS	Regulation respecting occupational health and safety: Permissible exposure values for airborne contaminants (Quebec)
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitization
STEL	Short-term exposure limit
STOT SE	Specific target organ toxicity - single exposure
TWA	Time-weighted average
UN RTDG	UN Recommendations on the Transport of Dangerous Good
vPvB	Very Persistent and very Bioaccumulative

# SELVOL™ Polyvinyl alcohol, 5-30% solutions 15-103, 12-107, 08-125, 09-325

## Key literature references and sources for data

Hazardous Products Regulations (HPR).

SOR/2022-272: Regulations Amending the Hazardous Products Regulations (GHS, Seventh Revised Edition).

UN Recommendations on the Transport of Dangerous Goods.

International Maritime Dangerous Goods Code (IMDG).

Dangerous Goods Regulations (DGR) for the air transport (IATA).

## Classification procedure

Physical and chemical properties.

Health hazards.

Environmental hazards.

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

## List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H370	Causes damage to organs.

## Responsible for the safety data sheet

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## Disclaimer

This information is based upon the present state of our knowledge.

This SDS has been compiled and is solely intended for this product.