

# **Safety Data Sheet**

29 CFR 1910.1200 App D

#### SELVOL™ Polyvinyl alcohol, homopolymer

Version number: 1.0

# **SECTION 1: Identification**

#### 1.1 Product identifier

**Identification of the substance** poly(vinyl alcohol)

Trade name SELVOL™ Polyvinyl alcohol, homopolymer

Grade: 103, 107, 125, 125NS, 125S, 165, 165SF,

305, 310, 325, 325 LA, 350, 825

**CAS number** 9002-89-5

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

Relevant identified uses Intermediate

Leather auxiliary
Textile auxiliary agents

Packaging Surfactant Adhesive Food industry

# 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

# 1.4 Emergency telephone number

# Poison center Country Name Telephone CHEMTREC International (outside USA) 1-703-527-3887 United States CHEMTREC USA (800) 424-9300

As above or nearest toxicological information centre.

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# **SECTION 2: Hazard(s) identification**

#### 2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Classification										
Section	Hazard class	Category	Hazard class and category	Hazard state- ment						
B.cD	combustible dust	Comb. Dust	cD	OSHA003						

For full text of abbreviations: see SECTION 16

#### 2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Signal word warning

**Pictograms** Not required.

**Hazard statements** 

**OSHA003** May form combustible dust concentrations in air.

#### 2.3 Other hazards

Product forms slippery surface when combined with water.

#### Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

# **SECTION 3: Composition/information on ingredients**

#### 3.1 Substances

Name of substance poly(vinyl alcohol)

**Identifiers** 

CAS No 9002-89-5

Molecular formula (C2H4O)x

**Purity** 92 – 95 %

#### Impurities and additives Name of substance Identifi-Wt% Classification **Pictograms** Specific Conc. Limits acc. to GHS er CAS No ≤ 0.9 methanol Acute Tox. 3 / H301 STOT SE 1; H370: C 67-56-1 Acute Tox. 3 / H311 ≥ 10 % Acute Tox. 3 / H331 STOT SE 2; H371: 3 STOT SE 1 / H370 $\% \le C < 10 \%$ Flam. Liq. 2 / H225

#### Impurities and additives Wt% Name of substance Identifi-Classification **Pictograms** Specific Conc. Limits er acc. to GHS methyl acetate CAS No ≤ 0.9 Eye Irrit. 2 / H319 79-20-9 STOT SE 3 / H336 Flam. Liq. 2 / H225

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.

#### **SECTION 4: First-aid measures**

# 4.1 Description of first-aid measures

#### **General notes**

Take off immediately all contaminated clothing.

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

Avoid breathing dust.

#### Following inhalation

Provide fresh air.

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

#### Following skin contact

Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing.

Rinse cautiously with water for several minutes.

If eye irritation persists: Get medical advice/attention.

#### **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

This information is not available.

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

None.

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# **SECTION 5: Fire-fighting measures**

# 5.1 Extinguishing media

# Suitable extinguishing media

water, alcohol resistant foam, fire extinguishing powder, carbon dioxide (CO2)

#### Unsuitable extinguishing media

water jet

# 5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products: Section 10.

Danger of dust explosion.

Deposited combustible dust has considerable explosion potential.

#### **Hazardous combustion products**

carbon monoxide (CO), carbon dioxide (CO2)

#### 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 protection suit, Self-contained breathing apparatus (SCBA)

# **SECTION 6: Accidental release measures**

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

#### For non-emergency personnel

Remove persons to safety.

Ventilate affected area.

Control of dust.

Eliminate all ignition sources if safe to do so.

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.

Avoidance of ignition sources.

Do not breathe dust.

Do not breathe vapor.

Avoid contact with skin and eyes.

#### For emergency responders

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

# 6.2 Environmental precautions

Keep away from drains, surface and ground water.

Retain contaminated washing water and dispose of it.

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

#### Advice on how to contain a spill

Take up mechanically.

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

Take up mechanically.

Collect spillage.

# 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.

# **SECTION 7: Handling and storage**

# 7.1 Precautions for safe handling

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

Use local and general ventilation.

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharge.

Only vacuum cleaners containing no ignition sources may be used for combustible dusts.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

#### Specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room.

Danger of dust explosion.

#### 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.

Do not breathe dust.

Do not breathe mist/vapors.

Avoid contact with skin and eyes.

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

# **Explosive atmospheres**

Removal of dust deposits.

Only vacuum cleaners containing no ignition sources may be used for combustible dusts.

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# Flammability hazards

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge.

Ground/bond container and receiving equipment.

#### **Incompatible substances or mixtures**

Incompatible materials: see section 10.

#### Protect against external exposure, such as

heat, frost

#### **Consideration of other advice**

Keep away from food, drink and animal feedingstuffs.

Keep container tightly closed in a cool place.

Store in a dry place.

#### **Ventilation requirements**

Provision of sufficient ventilation.

# Specific designs for storage rooms or vessels

Store in a dry place. Store in a closed container.

Store in a well-ventilated place. Keep cool.

#### **Packaging compatibilities**

Keep only in original container.

# 7.3 Specific end use(s)

No information available.

# **SECTION 8: Exposure controls/personal protection**

# 8.1 Control parameters

#### 8.1.1 National limit values

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

# **Occupational exposure limit values (Workplace Exposure Limits)**

Coun- try	Name of agent	CAS No	Identi- fier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Nota- tion	Source
US	Particulates not otherwise regu- lated	-	PEL (CA)	-	10	-	-	dust	Cal/OSHA PEL
US	Particulates not otherwise regu- lated	-	PEL (CA)	-	5	-	-	r	Cal/OSHA PEL

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# Occupational exposure limit values (Workplace Exposure Limits)

Coun- try	Name of agent	CAS No	Identi- fier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Nota- tion	Source
US	particulates not otherwise classi- fied	-	REL	-	-	-	-	appx-D	NIOSH REL
US	particulates not otherwise classi- fied (PNOC)	•	PEL	1,766	15	-	-	partml, i, dust	29 CFR 1910.1000
US	particulates not otherwise classi- fied (PNOC)	-	PEL	529.5	5	-	-	partml, r, dust	29 CFR 1910.1000
US	methanol	67-56-1	TLV®	200	-	250	-	Н	ACGIH® 2023
US	methyl alcohol	67-56-1	REL	200 (10 h)	260 (10 h)	250	325	-	NIOSH REL
US	methyl alcohol	67-56-1	PEL	200	260	-	-	-	29 CFR 1910.1000
US	methyl alcohol (methanol)	67-56-1	PEL (CA)	200	260	250	325	-	Cal/OSHA PEL
US	methyl acetate	79-20-9	PEL (CA)	200	610	250	760	-	Cal/OSHA PEL
US	methyl acetate	79-20-9	REL	200 (10 h)	610 (10 h)	250	760	-	NIOSH REL
US	methyl acetate	79-20-9	TLV®	200	-	250	-	-	ACGIH® 2023
US	methyl acetate	79-20-9	PEL	200	610	-	-	-	29 CFR 1910.1000

#### Notation

appx-D see Appendix D - Substances with No Established RELs

dust as dust

H absorbed through the skin

i inhalable fraction partml particles/ml

r respirable fraction

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

Biolog	Biological limit values											
Coun- try	Name of agent	Parameter	Nota- tion	Identifi- er	Value	Material	Source					
US	methanol	methanol	-	BEI®	15 mg/l	urine	ACGIH® 2023					

# 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.

# **Hand protection**

Protective gloves								
Material	Material thickness	Breakthrough times of the glove material						
IIR: isobutene-isoprene (butyl) rubber	no information available	no information available						
NR: natural rubber, latex	no information available	no information available						

Wear suitable 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.

#### **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.

# **SECTION 9: Physical and chemical properties**

# 9.1 Information on basic physical and chemical properties

# **Appearance**

Physical state solid

**Color** whitish

**Odor** characteristic

**Odor threshold** not determined

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Other safety parameters

**pH (value)** 5-7 (in aqueous solution:  $40 \, {}^{9}/_{l}$ ,  $20 \, {}^{\circ}$ C)

Melting point/freezing point 230 – 240 °C

Boiling point or initial boiling point and boiling

range

not determined

**Flash point** not applicable

**Evaporation rate** not determined

**Flammability (solid, gas)** this material is combustible, but will not ignite

readily

**Explosive limits** 

not determined

Explosion limits of dust clouds not determined

Vapor pressure not determined

Density not determined

Bulk density  $610 - 670 \, \text{kg/m}^3$ 

Relative vapour density not applicable

Solubility(ies)

Water solubility not miscible in any proportion

**Partition coefficient** 

n-octanol/water (log KOW) not determined

Auto-ignition temperature not determined

**Decomposition temperature** not relevant

**Viscosity** not relevant

(solid)

**Explosive properties** dust explosion hazards

Oxidizing properties none

Information for relevant hazard classes

according to GHS

there is no additional information

**9.2 Other information** there is no additional information

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# **SECTION 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

Danger of dust explosion.

#### 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge.

# 10.5 Incompatible materials

oxidizers, metals, peroxides, perchlorates, nitrate

#### 10.6 Hazardous decomposition products

Hazardous combustion products: see section 5.

Carbon monoxide (CO).

Carbon dioxide (CO2).

# **SECTION 11: Toxicological information**

# 11.1 Information on toxicological effects

If not otherwise specified the classification is based on:

Animal studies; Evidence from any other toxicity tests; Expert judgment (weight of evidence determination).

# Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

#### **Acute toxicity**

Shall not be classified as acutely toxic (oral).

Shall not be classified as acutely toxic (dermal).

Exposure route	Endpoint	Value	Species
oral	LD50	>5,000 <sup>mg</sup> / <sub>kg</sub>	rat
dermal	LD50	>7,490 <sup>mg</sup> / <sub>kg</sub>	rabbit

#### Acute toxicity of components of the mixture

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Name of substance	CAS No	Exposure route	Endpoint	Value	Species
methanol	67-56-1	oral	LD50	1,187 – 2,769 <sup>mg</sup> / <sub>kg</sub>	rat
methanol	67-56-1	dermal	LD50	17,100 <sup>mg</sup> / <sub>kg</sub>	rabbit
methyl acetate	79-20-9	oral	LD50	6,482 <sup>mg</sup> / <sub>kg</sub>	rat, male
methyl acetate	79-20-9	dermal	LD0	2,000 <sup>mg</sup> / <sub>kg</sub>	rat
methyl acetate	79-20-9	inhalation: vapor	LC0	49.2 <sup>mg</sup> / <sub>l</sub> /4h	rabbit
methyl acetate	79-20-9	inhalation: vapor	LC100	98.4 <sup>mg</sup> / <sub>l</sub> /4h	rabbit

#### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

#### Serious eye damage/eye irritation

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

# Respiratory or skin sensitization

#### Skin sensitization

Classification could not be established because:

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

#### **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

#### **National Toxicology Program (United States)**

not listed

#### **OSHA Carcinogens**

Not 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.

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# 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.

# 11.2 Other information

There is no additional information.

# **SECTION 12: Ecological information**

# 12.1 Toxicity

# **Aquatic toxicity (acute)**

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

Endpoint	Value	Species	Exposure time
LC50	>10,000 <sup>mg</sup> / <sub>l</sub>	bluegill (Lepomis macrochirus)	96 h
LC50	8,300 <sup>mg</sup> / <sub>l</sub>	daphnia magna	48 h
LC50	7,900 <sup>mg</sup> / <sub>l</sub>	Ceriodaphnia dubia (water flea)	48 h
LC50	>40,000 <sup>mg</sup> / <sub>l</sub>	fathead minnow (Pimephales pro- melas)	48 h

Name of sub- stance	CAS No	Endpoint	Value	Species	Method	Expos- ure time
methanol	67-56-1	EC50	12,700 <sup>mg</sup> / <sub>l</sub>	bluegill (Lepomis macrochirus)	EPA-660/3-75- 009	96 h
methanol	67-56-1	EC50	18,260 <sup>mg</sup> / <sub>l</sub>	daphnia magna	OECD Guideline 202	96 h
methanol	67-56-1	ErC50	~22,000 <sup>mg</sup> / <sub>l</sub>	algae (pseudokirchneri- ella subcapitata)	OECD Guideline 201	96 h
methyl acetate	79-20-9	LC50	≥250 - ≤350 <sup>mg</sup> / <sub>l</sub>	zebra fish (Danio rerio)	OECD Guideline 203	96 h
methyl acetate	79-20-9	EC50	1,027 <sup>mg</sup> / <sub>l</sub>	daphnia magna	OECD Guideline 202	48 h
methyl acetate	79-20-9	ErC50	>120 <sup>mg</sup> / <sub>l</sub>	algae (Desmod- esmus sub- spicatus)	OECD Guideline 201	72 h

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# Aquatic toxicity (chronic)

# Aquatic toxicity (chronic) of components of the mixture

Name of sub- stance	CAS No	Endpoint	Expos- ure time	Value	Species	Method
methyl acetate	79-20-9	EC50	16 h	6,000 <sup>mg</sup> / <sub>l</sub>	activated sludge (Pseudomonas putida)	DIN 38412 T.9
methyl acetate	79-20-9	NOEC	72 h	120 <sup>mg</sup> / <sub>l</sub>	algae (Desmod- esmus sub- spicatus)	OECD Guideline 201
methyl acetate	79-20-9	growth (EbCx) 10%	16 h	1,830 <sup>mg</sup> / <sub>l</sub>	activated sludge (Pseudomonas putida)	DIN Vorent- wurf 38412 Teil 9
methyl acetate	79-20-9	growth rate (ErCx) 10%	72 h	>120 <sup>mg</sup> / <sub>l</sub>	algae (Desmod- esmus sub- spicatus)	OECD Guideline 201

# 12.2 Persistence and degradability

# **Biodegradation**

No data available.

Process	Degradation rate	Time	Method
oxygen depletion	90 %	28 d	OECD Guideline 302B

Name of substance	CAS No	Process	Degradation rate	Time
methanol	67-56-1	oxygen depletion	95 %	20 d
methyl acetate	79-20-9	oxygen depletion	75 %	19 d

#### **Persistence**

No data available.

# 12.3 Bioaccumulative potential

**BCF** <10

Name of substance	CAS No	BCF	Log KOW
methanol	67-56-1	<10	-0.77
methyl acetate	79-20-9	-	0.18

# 12.4 Mobility in soil

No data available.

# 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

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# 12.6 Endocrine disrupting properties Other adverse effects

Not listed.

#### **Remarks**

None.

# **SECTION 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.

# **SECTION 14: Transport information**

14.1	UN number	not subject to transport regulations
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 of dangerous goods by road or rail (49 CFR US DOT) Additional information

Not subject to transport regulations.

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# **SECTION 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)** 

Substance is listed as "ACTIVE"

Superfund Amendment and Reauthorization Act (SARA TITLE III )

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

Not listed

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

Toxics Release	Transparence C	'nacific Tax	ia Chamiaa	llicticas
TOXICS Release	inveniory: s	opecinic rox	ac unemica	i Listinas

Name of substance	CAS No	Remarks	Effective date
methanol	67-56-1	-	1987-01-01

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

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

Name of substance	CAS No	Remarks	Statutory code	Final RQ pounds (Kg)
methanol	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

Not listed

#### **Right to Know Hazardous Substance List**

**Cleaning Product Right to Know Act Substance List (CA-RTK)** 

Name of substance	CAS No	Functionality	Authoritative Lists
methanol	67-56-1	-	CA TACs IRIS Neurotoxicants NTP OHAT - Repr. or Dev. Toxicants OEHHA RELs Prop 65

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

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Thresho Id	De Minimis Con- centration Threshold
methanol	67-56-1	-	-	-	1.0 %

#### **Hazardous Substance List (NJ-RTK)**

Name of substance	Name acc. to inventory	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 4 6 8 15 17 18 20 21	1222	1230
methyl acetate	methyl acetate (acetic acid, methyl ester)	79-20- 9	-	F3.	1 2 3 4 15	1217	1231

#### Legend

- Occupational Safety and Health Administration, 29 CFR 1910-Occupational Safety and Health Standards, Subpart Z-Toxicand Hazardous Substances, July 1, 2008.
- "Fire Protection Guide to Hazardous Materials," N FPA 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.
- List of Toxics Release Inventory Chemicals, Section 313, Emergency Planning and Community Right to Know Act (EPCRA), Toxics 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.
- 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. 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.
- 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.

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#### Legend

- 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.
- 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

#### **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	CAS No	References
methanol	67-56-1	T, F
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)

Not listed

# Industry or sector specific available guidance(s)

#### **NPCA-HMIS® III**

Hazardous Materials Identification System. American Coatings Association.

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# SELVOL™ Polyvinyl alcohol, homopolymer

Category	Rating	Description
Chronic	/	none
Health	1	irritation or minor reversible injury possible
Flammability	1	material that must be preheated before ignition can occur
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	-	-

# **NFPA® 704**

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	1	material that must be preheated before ignition can occur
Health	1	material that, under emergency conditions, can cause significant irritation
Instability	0	material that is normally stable, even under fire conditions
Special hazard	-	-

# 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance by the supplier.

# SECTION 16: Other information, including date of preparation or last revision

Date of preparation: 2023-03-16

# **Abbreviations and acronyms**

Abbr.	Descriptions of used abbreviations
29 CFR 1910.1000	29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazard- ous Substances (permissible exposure limits)
49 CFR US DOT	49 CFR U.S. Department of Transportation
ACGIH®	American Conference of Governmental Industrial Hygienists
ACGIH® 2023	From ACGIH®, 2023 TLVs® and BEIs® Book. Copyright 2023. Reprinted with permission. Information on the proper use of the TLVs® and BEIs®: http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement
Acute Tox.	Acute toxicity
BCF	Bioconcentration factor
Cal/OSHA PEL	California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs)
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
DEP CODE	Department of Environmental Protection Code

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# SELVOL™ Polyvinyl alcohol, homopolymer

Abbr.	Descriptions of used abbreviations
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
HHS	Higher hazard substance
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 dur- ing a specified time interval
LHS	Lower hazard substance
log KOW	n-Octanol/water
NFPA®	National Fire Protection Association (United States)
NIOSH REL	National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)
NOEC	No Observed Effect Concentration
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible exposure limit
ppm	Parts per million
STEL	Short-term exposure limit
STOT SE	Specific target organ toxicity - single exposure
TLV®	Threshold Limit Values
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative

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# Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG).

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

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

Code	Text
H225	Highly flammable liquid and vapor.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H370	Causes damage to organs.
OSHA003	May form combustible dust concentrations in air.

# 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.

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