



SAFETY DATA SHEET	Revision Date: 07.06.2018
	Print Date: 17.12.2018
	SDS Number: R0718431
Ultrathix™ P-100 thickener ™ Trademark, Ashland or its subsidiaries, registered in various countries 832271	Version: 3.1

Conforms to EU Regulation 1907/2006/EC as amended. - SDSGHS_GB

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : Ultrathix™ P-100 thickener
™ Trademark, Ashland or its subsidiaries, registered in various countries

Substance name Acrylic Acid/VP Crosspolymer

Substance No.

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

Recommended use : Personal care

1.3 Details of the supplier of the safety data sheet

Ashland
P.O. Box 8619
NL3009 AP, Rotterdam
Netherlands
+31 10 497 5000 (in the Netherlands), or
contact your local CSR contact person

EUSMT@ashland.com

1.4 Emergency telephone number

00-800-274-5263-3/001-859-357-3564, or contact your local emergency telephone number at 111 - ENG, SCO, CYM and 0808 808 8000 - NIE (Mo - Fr, 08.00 - 18.00)

Product Information

+31 10 497 5000 (in the Netherlands), or contact your local CSR contact person

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Precautionary statements : **Prevention:**



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Keep dust/air mixtures away from ignition sources.

Additional Labelling:

EUH210 Safety data sheet available on request.

2.3 Other hazards

Additional advice

No information available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical nature : organic

Hazardous components

Chemical name	CAS-No. EC-No.	Concentration (%)
2-Propenoic acid, polymer with 1-ethylenyl-2-pyrrolidinone and 3-(2-propenyloxy)-2,2-bis ((2-propenyloxy)methyl)-1-propanol	527685-31-0	>= 90,00 - <= 100,00
heptane	142-82-5 205-563-8	>= 1,00 - < 2,50

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : No hazards which require special first aid measures.

If inhaled : If breathed in, move person into fresh air.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

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- In case of skin contact : First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
If eye irritation persists, consult a specialist.
- If swallowed : IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No symptoms known or expected.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : No hazards which require special first aid measures.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water spray
Foam

- Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Organic dusts at sufficient concentration can form explosive mixtures in air.
Do not allow run-off from fire fighting to enter drains or water courses.

- Hazardous combustion : carbon dioxide and carbon monoxide

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products

Hydrocarbons

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Specific extinguishing methods : Product is compatible with standard fire-fighting agents.

Further information : Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid dust formation.
Avoid breathing dust.
Material can create slippery conditions.
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
Comply with all applicable federal, state, and local regulations.

6.2 Environmental precautions

Environmental precautions : Prevent further leakage or spillage if safe to do so.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For further information see Section 8 and Section 13 of the safety data sheet.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid dust formation.
Ensure all equipment is electrically grounded and bonded before beginning transfer operations.
The material can accumulate static charge and can therefore

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cause electrical ignition of flammable atmospheres.
 Smoking, eating and drinking should be prohibited in the
 application area.
 For personal protection see section 8.
 Dispose of rinse water in accordance with local and national
 regulations.
 Maintain good housekeeping. Do not permit dust layers to
 accumulate, for example, on floors, ledges, and equipment, in
 order to avoid any potential for dust explosion hazards.

Advice on protection against fire and explosion : Take measures to prevent the build up of electrostatic charge.
 Provide appropriate exhaust ventilation at places where dust
 is formed.

Hygiene measures : Avoid breathing dust. Wash hands before breaks and at the
 end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated
 place. No smoking.

Other data : Keep in a dry place. No decomposition if stored and applied
 as directed.

7.3 Specific end use(s)

Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection
8.1 Control parameters
Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
heptane	142-82-5	TWA	500 ppm 2.085 mg/m ³	2000/39/EC
		TWA	500 ppm	GB EH40



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8.2 Exposure controls

Engineering measures

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Provide appropriate exhaust ventilation at places where dust is formed.

Personal protective equipment

Eye protection : Safety glasses

Use eye protection according to EN 166.

Hand protection

Remarks : Neoprene gloves

The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Wear as appropriate:

Safety shoes

Dust impervious protective suit

Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Discard gloves that show tears, pinholes, or signs of wear.

Protective clothing complying with EN 13688.

Safety shoes complying with EN ISO 20345.

Respiratory protection : Respiratory protection is not required under normal conditions of use.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : powder

Colour : white

Odour : No data available

Odour Threshold : No data available

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pH	:	No data available
Melting point/freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	1 g/cm ³ (20 °C)
Solubility(ies)		
Water solubility	:	slightly soluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	Not applicable
Oxidizing properties	:	No data available

9.2 Other information

No data available

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SECTION 10: Stability and reactivity
10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Dust may form explosive mixture in air.

10.4 Conditions to avoid

Conditions to avoid : Keep away from heat, flame, sparks and other ignition sources.

10.5 Incompatible materials

 Materials to avoid : alkalis
 Strong acids
 Strong oxidizing agents

10.6 Hazardous decomposition products

 Hazardous decomposition products : carbon dioxide and carbon monoxide
 Hydrocarbons

SECTION 11: Toxicological information
11.1 Information on toxicological effects

 Information on likely routes of exposure : Inhalation
 Skin contact
 Eye Contact
 Ingestion

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

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Components:

2-Propenoic acid, polymer with 1-ethylenyl-2-pyrrolidinone and 3-(2-propenyloxy)-2,2-bis ((2-propenyloxy)methyl)-1-propanol

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

Components:

heptane

Acute oral toxicity : LD50 (Rat): Expected > 5.000 mg/kg
 Remarks: Information given is based on data obtained from similar substances.

Acute inhalation toxicity : LC50 (Rat, male and female): > 29,29 mg/l
 Exposure time: 4 h
 Test atmosphere: vapour
 Method: OECD Test Guideline 403
 Assessment: No adverse effect has been observed in acute inhalation toxicity tests.

Acute dermal toxicity : LD50 (Rabbit): Expected > 2.000 mg/kg
 Assessment: Not classified as acutely toxic by dermal absorption under GHS.
 Remarks: Information given is based on data obtained from similar substances.

Skin corrosion/irritation

Not classified based on available information.

Product:

Species: Rabbit

Result: No skin irritation

Components:

2-Propenoic acid, polymer with 1-ethylenyl-2-pyrrolidinone and 3-(2-propenyloxy)-2,2-bis ((2-propenyloxy)methyl)-1-propanol

Result: No skin irritation

heptane

Result: Irritating to skin.

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Species: Rabbit

Result: Slight, transient irritation

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Remarks: Unlikely to cause eye irritation or injury., Product dust may be irritating to eyes, skin and respiratory system.

Components:

2-Propenoic acid, polymer with 1-ethylenyl-2-pyrrolidinone and 3-(2-propenyloxy)-2,2-bis ((2-propenyloxy)methyl)-1-propanol
 Result: Slight, transient irritation

heptane

Result: Slight, transient irritation

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Product:

Test Type: Buehler Test

Exposure routes: Dermal

Species: Guinea pig

Assessment: Does not cause skin sensitisation.

Test Type: Human Repeat Insult Patch Testing (HRIPT)

Exposure routes: Dermal

Assessment: Does not cause skin sensitisation.

Components:

2-Propenoic acid, polymer with 1-ethylenyl-2-pyrrolidinone and 3-(2-propenyloxy)-2,2-bis ((2-propenyloxy)methyl)-1-propanol

Assessment: Did not cause sensitisation on laboratory animals.

heptane

Test Type: Maximisation Test

Species: Guinea pig

Assessment: Did not cause sensitisation on laboratory animals.

Remarks: Information given is based on data obtained from similar substances.

Germ cell mutagenicity

Not classified based on available information.

Product:

Genotoxicity in vitro

: Test Type: Ames test

Test species: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

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: Test Type: Ames test
Test species: Escherichia coli
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

: Test Type: Chromosome aberration test in vitro
Test species: Human lymphocytes
Metabolic activation: with and without metabolic activation
Result: negative

Components:

2-Propenoic acid, polymer with 1-ethylenyl-2-pyrrolidinone and 3-(2-propenyloxy)-2,2-bis ((2-propenyloxy)methyl)-1-propanol

Genotoxicity in vitro : Test Type: Ames test
Result: negative

heptane

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro
Test species: rat hepatocytes
Method: OECD Test Guideline 473
Result: negative

: Test Type: Ames test
Method: OECD Test Guideline 471
Result: negative

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

Components:

heptane

Assessment: May cause drowsiness or dizziness.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Product:

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No aspiration toxicity classification

Components:

heptane

May be fatal if swallowed and enters airways.

Further information
Product:

Remarks: No data available

SECTION 12: Ecological information
12.1 Toxicity
Product:

 Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l
 Exposure time: 96 h
 Test Type: static test
 Test substance: WAF

 Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
 Exposure time: 48 h
 Test Type: static test
 Test substance: WAF

 Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (microalgae)): > 100 mg/l
 End point: Growth inhibition
 Exposure time: 72 h

 EC50 (Pseudokirchneriella subcapitata (green algae)): 75 mg/l
 End point: Biomass
 Exposure time: 72 h

 NOEC (Pseudokirchneriella subcapitata (microalgae)): 40 mg/l
 End point: Growth inhibition
 Exposure time: 72 h

Components:

2-Propenoic acid, polymer with 1-ethylenyl-2-pyrrolidinone and 3-(2-propenyloxy)-2,2-bis ((2-propenyloxy)methyl)-1-propanol

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- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l
 Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
 Exposure time: 48 h
- Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 75 mg/l
 End point: Biomass
 Exposure time: 72 h
- EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l
 End point: Growth inhibition
 Exposure time: 72 h
- heptane
 Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1,5 mg/l
 Exposure time: 48 h
 Test Type: static test
- LC50 (Mysidopsis bahia (opossum shrimp)): 0,1 mg/l
 Exposure time: 96 h
 Test Type: semi-static test
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOELR: 1 mg/l
 Exposure time: 21 d
 Species: Daphnia magna (Water flea)
 Test Type: static test
 Test substance: WAF
 Method: OECD Test Guideline 211
 Remarks: Information given is based on data obtained from similar substances.
- Ecotoxicology Assessment
 Acute aquatic toxicity : Very toxic to aquatic life.
- Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability
Product:

- Biodegradability : Result: Not readily biodegradable.
 Biodegradation: 1,8 %
 Exposure time: 28 d
 Method: OECD Test Guideline 301B



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Components:

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Biodegradability : Remarks: Not readily biodegradable.

heptane

Biodegradability : Result: Readily biodegradable.

12.3 Bioaccumulative potential**Components:**

heptane

Partition coefficient: n-octanol/water : log Pow: 4,66

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not relevant

12.6 Other adverse effects**Product:**

Additional ecological information : No data available

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.

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SECTION 14: Transport information

SECTION 14: Transport information

14.1 UN number

ADN: Not dangerous goods

ADR: Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS: Not dangerous goods

RID: Not dangerous goods

14.2 UN proper shipping name

ADN: Not dangerous goods

ADR: Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS: Not dangerous goods

RID: Not dangerous goods

14.3 Transport hazard class(es)

ADN: Not dangerous goods

ADR: Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS: Not dangerous goods

RID: Not dangerous goods

14.4 Packing group

ADN: Not dangerous goods

ADR: Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS: Not dangerous goods

RID: Not dangerous goods

14.5 Environmental hazards

ADN: Not applicable



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ADR: Not applicable

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Not applicable

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Not applicable

INTERNATIONAL MARITIME DANGEROUS GOODS: Not applicable

RID: Not applicable

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Ship Type: Not applicable

Hazard code(s): Not applicable

Pollutant Category: Not applicable

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable


Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

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Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
Not applicable

The components of this product are reported in the following inventories:

TSCA	: This product is regulated under the United States Food and Drug Act (FDA).
DSL	All components of this product are on the Canadian DSL
AICS	On the inventory, or in compliance with the inventory
ENCS	Personal care
KECI	Personal care
IECSC	q (quantity restricted)
PICCS	Not in compliance with the inventory
TCSI	On the inventory, or in compliance with the inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

Substance name Acrylic Acid/VP Crosspolymer


15.2 Chemical safety assessment

No data available

SECTION 16: Other information

Further information

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Full text of H-Statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Other information : The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Ashland's Environmental Health and Safety Department (+31 10 497 5000).

Sources of key data used to compile the Safety Data Sheet
 Ashland internal data including own and sponsored test reports
 The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists
 BEI : Biological Exposure Index
 CAS : Chemical Abstracts Service (Division of the American Chemical Society).
 CMR : Carcinogenic, Mutagenic or Toxic for Reproduction
 FG : Food grade
 GHS : Globally Harmonized System of Classification and Labeling of Chemicals.
 H-statement : Hazard Statement
 IATA : International Air Transport Association.
 IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
 ICAO : International Civil Aviation Organization
 ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"



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IMDG : International Maritime Code for Dangerous Goods
 ISO : International Organization for Standardization
 logPow : octanol-water partition coefficient
 LCxx : Lethal Concentration, for xx percent of test population
 LDxx : Lethal Dose, for xx percent of test population.
 ICxx : Inhibitory Concentration for xx of a substance
 Ecxx : Effective Concentration of xx
 N.O.S.: Not Otherwise Specified
 OECD : Organization for Economic Co-operation and Development
 OEL : Occupational Exposure Limit
 P-Statement : Precautionary Statement
 PBT : Persistent , Bioaccumulative and Toxic
 PPE : Personal Protective Equipment
 STEL : Short-term exposure limit
 STOT : Specific Target Organ Toxicity
 TLV : Threshold Limit Value
 TWA : Time-weighted average
 vPvB : Very Persistent and Very Bioaccumulative
 WEL : Workplace Exposure Level

ABM : Water Hazard Class for the Netherlands
 ADR : Agreement concerning the International Carriage of Dangerous Goods by Road.
 ADNR: Regulation for the Carriage of Dangerous Substances on the Rhine
 CLP : Classification, Labelling and Packaging
 CSA : Chemical Safety Assessment
 CSR : Chemical Safety Report
 DNEL : Derived No Effect Level.
 EINECS : European Inventory of Existing Commercial Chemical Substances.
 ELINCS : European List of Notified Chemical Substances
 GV: Exposure limits (DK)
 PEC : Predicted Effect Concentration
 PEL : Permissible Exposure Limits
 PNEC : Predicted No Effect Concentration
 R-phrases : Risk phrases
 REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
 RID : Regulation Concerning the International Transport of Dangerous Goods by Rail
 S-phrases: Safety phrases
 WGK : German Water Hazard Class