

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

### 1.1 Product identifier

Trade name: **Perfect Line 2K PU Activator**

Article number: **PL.2KPU.VH**

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

Sector of Use

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

Application of the substance / the mixture Hardening agent/ Curing agent

Uses advised against SU21 Consumer uses: Private households / general public / consumers

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

**Perfect Line**

**P.O. Box 90117**

**5000 LA Tilburg**

**the Netherlands**

**T +31 (0)85 74 41 118**

**E info@perfectline.nl**

**W www.perfectline.eu**

Further information obtainable from: Product safety department: sds@interchem.nl

1.4 Emergency telephone number:

National Poisoning Information Centre - Bilthoven - The Netherlands

T +31 (0)30 274 88 88

Restricted to physicians for information on ingredients.

## SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS08 health hazard

STOT RE 2 H373 May cause damage to the central nervous system, the kidneys and the liver through prolonged or repeated exposure. Route of exposure: Inhalation.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335 May cause respiratory irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

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Trade name: **Perfect Line 2K PU Activator**

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## · Hazard pictograms



GHS02    GHS07    GHS08

## · Signal word Danger

## · Hazard-determining components of labelling:

Hexamethylene diisocyanate, oligomers  
xylene

ethylbenzene

Hydrocarbons, C9, aromatics

## · Hazard statements

H225 Highly flammable liquid and vapour.

H332 Harmful if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

H373 May cause damage to the central nervous system, the kidneys and the liver through prolonged or repeated exposure. Route of exposure: Inhalation.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

## · Precautionary statements

P260 Do not breathe mist/vapours/spray.

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

P284 In case of inadequate ventilation wear respiratory protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P331 Do NOT induce vomiting.

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

## · Additional information:

EUH204 Contains isocyanates. May produce an allergic reaction.

Restricted to professional users.

## · 2.3 Other hazards

## · Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

## SECTION 3: Composition/information on ingredients

## · 3.2 Chemical characterisation: Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

## · Dangerous components %(m/m):

CAS: 28182-81-2	Hexamethylene diisocyanate, oligomers	50-75%
NLP: 500-060-2	⚠ Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335	
Reg.nr.: 01-2119485796-17		
CAS: 1330-20-7	xylene	25-50%
EINECS: 215-535-7	⚠ Flam. Liq. 3, H226; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412	
Reg.nr.: 01-2119488216-32		
CAS: 123-86-4	n-butyl acetate	10-25%
EINECS: 204-658-1	⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	
Reg.nr.: 01-2119485493-29		
CAS: 100-41-4	ethylbenzene	2.5-10%
EINECS: 202-849-4	⚠ Flam. Liq. 2, H225; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H332; Aquatic Chronic 3, H412	
Reg.nr.: 01-2119489370-35		

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Trade name: **Perfect Line 2K PU Activator**

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Reg.nr.: 01-2119455851-35 Hydrocarbons, C9, aromatics 2.5-10%  
 ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT  
 SE 3, H335-H336

EC number: 918-668-5 Hydrocarbons, C9, aromatics 0.5-2.5%  
 Reg.nr.: 01-2119455851-35 ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT  
 SE 3, H335-H336

• Additional information: For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

- 4.1 Description of first aid measures
- General information:  
 Immediately remove any clothing soiled by the product.  
 Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- After inhalation:  
 Supply fresh air and to be sure call for a doctor.  
 In case of unconsciousness place patient stably in side position for transportation.
- After skin contact:  
 Immediately wash with water and soap and rinse thoroughly.  
 If skin irritation continues, consult a doctor.
- After eye contact:  
 Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.  
 Remove contactlenses.
- After swallowing:  
 Do not induce vomiting; call for medical help immediately.  
 Rinse out mouth and then drink plenty of water.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed  
 No further relevant information available.

## SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents: CO2 or powder. Fight larger fights with alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture  
 During heating or in case of fire poisonous gases are produced.  
 Carbon monoxide (CO)
- 5.3 Advice for firefighters
- Protective equipment: Wear self-contained respiratory protective device.

## SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures  
 Mount respiratory protective device.  
 Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions:  
 Inform respective authorities in case of seepage into water course or sewage system.  
 Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:  
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
 Dispose contaminated material as waste according to item 13.  
 Ensure adequate ventilation.
- 6.4 Reference to other sections  
 See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection equipment.  
 See Section 13 for disposal information.

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## SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
  - Ensure good ventilation/exhaustion at the workplace.
  - Prevent formation of aerosols.
  - Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is used.
  - Examination of lung function should be carried out on a regular basis on persons spraying this preparation.
- Information about fire - and explosion protection:
  - Keep ignition sources away - Do not smoke.
  - Protect against electrostatic charges.
  - Keep respiratory protective device available.
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storerooms and receptacles:
    - Store in a cool location.
    - Store only in the original receptacle.
  - Information about storage in one common storage facility: Store away from oxidising agents.
  - Further information about storage conditions:
    - Caution when reopening receptacles with broken seal.
    - Keep container tightly sealed.
  - Storage class: 3
- 7.3 Specific end use(s) No further relevant information available.

## SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

### 1330-20-7 xylene

IOELV Short-term value: 442 mg/m<sup>3</sup>, 100 ppm  
 Long-term value: 221 mg/m<sup>3</sup>, 50 ppm  
 Skin

### 100-41-4 ethylbenzene

IOELV Short-term value: 884 mg/m<sup>3</sup>, 200 ppm  
 Long-term value: 442 mg/m<sup>3</sup>, 100 ppm  
 Skin

- DNELs

### 28182-81-2 Hexamethylene diisocyanate, oligomers

Dermal	Acute - short-term exposure - local effects	1 mg/cm <sup>2</sup> (worker)
Inhalative	Long-term exposure - local effects	0.5 mg/m <sup>3</sup> (worker)

### 1330-20-7 xylene

Dermal	Long-term exposure - systemic effects	180 mg/kg bw/day (worker)
Inhalative	Acute - short-term exposure - systemic effects	289 mg/m <sup>3</sup> (worker)
	Acute - short-term exposure - local effects	289 mg/m <sup>3</sup> (worker)
	Long-term exposure - systemic effects	77 mg/m <sup>3</sup> (worker)

### 123-86-4 n-butyl acetate

Inhalative	Acute - short-term exposure - systemic effects	600 mg/m <sup>3</sup> (worker)
	Acute - short-term exposure - local effects	600 mg/m <sup>3</sup> (worker)
	Long-term exposure - systemic effects	300 mg/m <sup>3</sup> (worker)
	Long-term exposure - local effects	300 mg/m <sup>3</sup> (worker)

### 100-41-4 ethylbenzene

Dermal	Acute - short-term exposure - local effects	293 mg/kg bw/day (worker)
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# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 22.03.2019

Version number 5

Revision: 16.07.2015

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Long-term exposure - systemic effects 180 mg/kg bw/day (worker)  
 Inhalative Long-term exposure - systemic effects 77 mg/m<sup>3</sup> (worker)

**Hydrocarbons, C9, aromatics**

Inhalative Long-term exposure - systemic effects 261.88 mg/m<sup>3</sup> (worker)

**Hydrocarbons, C9, aromatics**

Dermal Long-term exposure - systemic effects 25 mg/kg bw/day (worker)  
 Inhalative Long-term exposure - systemic effects 150 mg/m<sup>3</sup> (worker)

## · PNECs

**28182-81-2 Hexamethylene diisocyanate, oligomers**

PNEC 26,670 mg/kg (aqua, marine water)  
 53,182 mg/kg (bd)  
 266,700 mg/kg (sediment freshwater)  
 PNEC 38.28 mg/l (STP)  
 0.127 mg/l (aqua, freshwater)  
 1.27 mg/l (aqua, intermittent releases)  
 0.0127 mg/l (aqua, marine water)

**1330-20-7 xylene**

PNEC 12.46 mg/kg (sediment marine water)  
 PNEC 6.58 mg/l (STP)  
 0.327 mg/l (aqua, freshwater)  
 0.327 mg/l (aqua, marine water)

**123-86-4 n-butyl acetate**

PNEC 0.981 mg/kg (sediment freshwater)  
 PNEC 35.6 mg/l (STP)  
 0.18 mg/l (aqua, freshwater)  
 0.36 mg/l (aqua, intermittent releases)  
 0.018 mg/l (aqua, marine water)  
 0.0981 mg/l (sediment marine water)

**100-41-4 ethylbenzene**

PNEC 13.7 mg/kg (sediment freshwater)  
 2.68 mg/kg (soil)  
 PNEC 9.6 mg/l (STP)  
 0.1 mg/l (aqua, freshwater)  
 0.1 mg/l (aqua, intermittent releases)  
 0.01 mg/l (aqua, marine water)

## · Additional information:

The lists valid during the making were used as basis.

Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is used.

Examination of lung function should be carried out on a regular basis on persons spraying this preparation.

## · 8.2 Exposure controls

## · Personal protective equipment:

## · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Store protective clothing separately.  
 Do not inhale gases / fumes / aerosols.  
 Avoid contact with the eyes and skin.

## · Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

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Short term filter device:

Filter A.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

Suitable materials for safety gloves (EN 374):

Fluorocarbon rubber gloves (Viton)

· Penetration time of glove material

Thickness of the gloves  $\geq 0.7$  mm (xylenes)Value for the permeation  $\geq 480$  min (xylenes)

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles

· Body protection: Solvent resistant protective clothing

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**SECTION 9: Physical and chemical properties**

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Liquid

Colour: Transparent

· Odour: Characteristic

· Odour threshold: Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: 124-128 °C

· Flash point: 22 °C

· Flammability (solid, gas): Not applicable.

· Ignition temperature: 370 °C

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

Lower: 1.1 Vol %

Upper: 7.5 Vol %

· Vapour pressure at 20 °C: 10.7 hPa

· Density at 20 °C: 1 g/cm<sup>3</sup>

· Relative density: Not determined.

· Vapour density: Not determined.

· Evaporation rate: Not determined.

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- Solubility in / Miscibility with water: Slightly soluble.
- Partition coefficient: n-octanol/water: Not determined.
- Viscosity:
  - Dynamic: Not determined.
  - Kinematic at 20 °C: 13 s (DIN 53211/4)
- Solvent content:
  - Organic solvents: 48.7 %
  - VOC (EC) 45,86 %
- 9.2 Other information No further relevant information available.

## SECTION 10: Stability and reactivity

- 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions
  - Reacts with alcohols.
  - Reacts with amines.
  - Reacts with water.
  - Reacts with strong oxidizing agents.
- 10.4 Conditions to avoid High temperatures.
- 10.5 Incompatible materials: Oxidizing agents
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

## SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity
  - Harmful if inhaled.
- LD/LC50 values relevant for classification:

### 1330-20-7 xylene

Oral LD50 3,523 mg/kg (rat)  
 Dermal LD50 12,126 mg/kg bw (rabbit)  
 Inhalative LC50/4h 6,700 ppm (rat)

### 123-86-4 n-butyl acetate

Oral LD50 10,760 mg/kg (rat) (OECD 423)  
 Dermal LD50 >14,112 mg/kg (rabbit) (OECD 402)  
 Inhalative LC50/4h 23.4 mg/l (rat) (OECD 403 in vivo, aerosol)

### 100-41-4 ethylbenzene

Oral LD50 3,500 mg/kg (rat)  
 Dermal LD50 17,800 mg/kg (rabbit)  
 Inhalative LC50/4h 17.8 mg/l (rat)

### Hydrocarbons, C9, aromatics

Oral LD50 3,592 mg/kg (rat)  
 Dermal LD50 >3,160 ml/kg (rabbit)  
 Inhalative LC50/4h >10.2 mg/l (rat)

- Primary irritant effect:
- Skin corrosion/irritation
  - Causes skin irritation.
- Serious eye damage/irritation
  - Causes serious eye irritation.

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- Respiratory or skin sensitisation  
May cause an allergic skin reaction.
  - Sensitisation May cause sensitisation by skin contact.
  - CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
  - Germ cell mutagenicity Based on available data, the classification criteria are not met.
  - Carcinogenicity Based on available data, the classification criteria are not met.
  - Reproductive toxicity Based on available data, the classification criteria are not met.
  - STOT-single exposure  
May cause respiratory irritation.
  - STOT-repeated exposure  
May cause damage to the central nervous system, the kidneys and the liver through prolonged or repeated exposure.  
Route of exposure: Inhalation.
  - Aspiration hazard  
May be fatal if swallowed and enters airways.
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## SECTION 12: Ecological information

- 12.1 Toxicity
- Aquatic toxicity:

### 1330-20-7 xylene

IC50/72h 2.2 mg/l (algae)  
 NOEC/72h 0.44 mg/l (algae)  
 EC50/48h 1 mg/l (daphnia magna)  
 LC50/96h 2.6 mg/l (oncorhynchus mykiss)

### 123-86-4 n-butyl acetate

EC50/48h 44 mg/l (daphnia magna)  
 EC50/72h 647.7 mg/l (desmodesmus supspicatus)  
 IC50 356 mg/l (tetrahymena pyriformis) (40 h)  
 NOAEL/72h 200 mg/l (desmodesmus supspicatus)  
 LC50/96h 18 mg/l (pimphales promelas) (OECD 203)

### 100-41-4 ethylbenzene

EC50/24h >100 mg/l (daphnia magna)

### Hydrocarbons, C9, aromatics

LL50/96h 9.2 mg/l (oncorhynchus mykiss) (OESO 203)

- 12.2 Persistence and degradability No further relevant information available.
- Degree of elimination:

### 123-86-4 n-butyl acetate

OECD 301D 83 % (/) (28 d)

- 12.3 Bioaccumulative potential

### 1330-20-7 xylene

BCF 25.9 (/)  
 LogPow 3.15 (/)

- 12.4 Mobility in soil No further relevant information available.

- Ecotoxicological effects:

- Remark: Harmful to fish

- Additional ecological information:

- General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

- 12.5 Results of PBT and vPvB assessment

- PBT: Not applicable.

- vPvB: Not applicable.

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- 12.6 Other adverse effects No further relevant information available.

### SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- European waste catalogue  
08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

### SECTION 14: Transport information

- 14.1 UN-Number  
ADR/ADN, IMDG, IATA UN1263
- 14.2 UN proper shipping name  
ADR/ADN 1263 PAINT RELATED MATERIAL
- IMDG, IATA PAINT RELATED MATERIAL
- 14.3 Transport hazard class(es)  
ADR/ADN, IMDG, IATA



- Class 3 Flammable liquids.
- Label 3
- 14.4 Packing group  
ADR/ADN, IMDG, IATA II
- 14.5 Environmental hazards:  
Marine pollutant: No
- 14.6 Special precautions for user  
Warning: Flammable liquids.
- Danger code (Kemler): 33
- EMS Number: F-E,S-E
- Stowage Category B
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code  
Not applicable.
- Transport/Additional information:

- ADR/ADN
- Limited quantities (LQ) 5L
- Excepted quantities (EQ) Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml
- Transport category 2
- Tunnel restriction code D/E

- IMDG
- Limited quantities (LQ) 5L
- Excepted quantities (EQ) Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml
- UN "Model Regulation": UN1263, PAINT RELATED MATERIAL, 3, II

— EU —

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## SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Directive 2012/18/EU
  - Named dangerous substances - ANNEX I None of the ingredients is listed.
  - Seveso category P5c FLAMMABLE LIQUIDS
  - Qualifying quantity (tonnes) for the application of lower-tier requirements 5.000 t
  - Qualifying quantity (tonnes) for the application of upper-tier requirements 50.000 t
  - REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- National regulations:
- Other regulations, limitations and prohibitive regulations  
The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases
  - H225 Highly flammable liquid and vapour.
  - H226 Flammable liquid and vapour.
  - H304 May be fatal if swallowed and enters airways.
  - H312 Harmful in contact with skin.
  - H315 Causes skin irritation.
  - H317 May cause an allergic skin reaction.
  - H319 Causes serious eye irritation.
  - H332 Harmful if inhaled.
  - H335 May cause respiratory irritation.
  - H336 May cause drowsiness or dizziness.
  - H373 May cause damage to the central nervous system, the kidneys and the liver through prolonged or repeated exposure. Route of exposure: Inhalation.
  - H411 Toxic to aquatic life with long lasting effects.
  - H412 Harmful to aquatic life with long lasting effects.
- Department issuing SDS: Product safety department.
- Contact: Ing. R. Derks
- Abbreviations and acronyms:
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - VOC: Volatile Organic Compounds (USA, EU)
  - DNEL: Derived No-Effect Level (REACH)
  - PNEC: Predicted No-Effect Concentration (REACH)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Flam. Liq. 2: Flammable liquids – Category 2
  - Flam. Liq. 3: Flammable liquids – Category 3
  - Acute Tox. 4: Acute toxicity – Category 4
  - Skin Irrit. 2: Skin corrosion/irritation – Category 2
  - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
  - Skin Sens. 1: Skin sensitisation – Category 1
  - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
  - STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
  - Asp. Tox. 1: Aspiration hazard – Category 1
  - Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
  - Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3