

Safety Data Sheet  
acc. to OSHA HCS

Printing date 02/16/2021

Reviewed on 02/16/2021

**1 Identification**

- Product identifier
- Trade name: Epifanes Poly-urethane Spraythinner
- Application of the substance / the mixture  
See our technical datasheet for application of this product.
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:  
W.Heeren & Zoon bv.  
P.O. box 166  
1430 AD Aalsmeer  
Netherlands  
tel.+31 297-360666  
fax.+31 297-342078  
email:info@epifanes.nl
- Information department: Research & Development.
- Emergency telephone number:  
Emergency Phone Number (24 hours) CHEMTREC (800-424-9300)  
Outside US: 703-527-3887

**2 Hazard(s) identification**

- Classification of the substance or mixture



GHS02 Flame

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



GHS08 Health hazard

Carc. 2            H351    Suspected of causing cancer.

STOT RE 2        H373    May cause damage to organs through prolonged or repeated exposure.

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



GHS07

Eye Irrit. 2A    H319    Causes serious eye irritation.

STOT SE 3        H336    May cause drowsiness or dizziness.

- Label elements

- GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

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Trade name: Epifanes Poly-urethane Spraythinner

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· Hazard pictograms



· Signal word Danger

· Hazard-determining components of labeling:

Xylene  
butanone  
2-methoxy-1-methylethyl acetate  
ethylbenzene

· Hazard statements

H225 Highly flammable liquid and vapor.  
H319 Causes serious eye irritation.  
H351 Suspected of causing cancer.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H304 May be fatal if swallowed and enters airways.

· Precautionary statements

P210                    Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P260                    Do not breathe dust/fume/gas/mist/vapors/spray.  
P271                    Use only outdoors or in a well-ventilated area.  
P280                    Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310            If swallowed: Immediately call a poison center/doctor.  
P303+P361+P353    If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P501                    Dispose of contents/container in accordance with local/regional/national/international regulations.

· Classification system:

· NFPA ratings (scale 0 - 4)



Health = 2  
Fire = 3  
Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 2  
Fire = 3  
Reactivity = 0

· Other hazards

· Results of PBT and vPvB assessment

· PBT: Not applicable.  
· vPvB: Not applicable.

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**3 Composition/information on ingredients**

- Chemical characterization: Mixtures
- Description: Solvent mixture

· Dangerous components:

CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3	butanone ----- ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	25-50%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7	2-methoxy-1-methylethyl acetate ----- ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	25-50%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1	n-butyl acetate ----- ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	2.5-10%
CAS: 1330-20-7 EINECS: 215-535-7	Xylene ----- ⚠ 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. 2A, H319; STOT SE 3, H335	2.5-10%
CAS: 100-41-4 EINECS: 202-849-4 Index number: 601-023-00-4	ethylbenzene ----- ⚠ Flam. Liq. 2, H225 ⚠ Carc. 2, H351; STOT RE 2, H373; Asp. Tox. 1, H304 ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	≤0.5%

· Additional information:

For the wording of the listed hazard phrases refer to section 16.

**4 First-aid measures**

- Description of first aid measures
- General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately rinse with water.
- After eye contact:  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed  
No further relevant information available.
- Indication of any immediate medical attention and special treatment needed  
No further relevant information available.

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**5 Fire-fighting measures**

- Extinguishing media
- Suitable extinguishing agents:  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture  
During heating or in case of fire poisonous gases are produced.
- Advice for firefighters
- Protective equipment:  
Wear fully protective suit.  
Do not inhale explosion gases or combustion gases.  
Mouth respiratory protective device.

**6 Accidental release measures**

- Personal precautions, protective equipment and emergency procedures  
Wear protective clothing.  
Ensure adequate ventilation  
Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.
- Environmental precautions:  
Prevent seepage into sewage system, workpits and cellars.  
Do not allow to enter sewers/ surface or ground water.
- 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.
- 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.
- Protective Action Criteria for Chemicals

· PAC-1:

78-93-3	butanone	200 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
123-86-4	n-butyl acetate	5 ppm
100-41-4	ethylbenzene	33 ppm
108-88-3	toluene	67 ppm

· PAC-2:

78-93-3	butanone	2700* ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
123-86-4	n-butyl acetate	200 ppm
100-41-4	ethylbenzene	1100* ppm
108-88-3	toluene	560 ppm

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· PAC-3:		
78-93-3	butanone	4000* ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
123-86-4	n-butyl acetate	3000* ppm
100-41-4	ethylbenzene	1800* ppm
108-88-3	toluene	3700* ppm

**7 Handling and storage**

- Handling:
- Precautions for safe handling  
Work only in fume cabinet.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- Information about protection against explosions and fires:  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Keep respiratory protective device available.
- Conditions for safe storage, including any incompatibilities
- Storage:
- Requirements to be met by storerooms and receptacles:  
Store only in the original receptacle.  
Store in a cool location.
- Information about storage in one common storage facility:  
Store away from water.
- Further information about storage conditions:  
Keep receptacle tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.
- Specific end use(s) No further relevant information available.

**8 Exposure controls/personal protection**

- Additional information about design of technical systems:  
No further data; see item 7.
- Control parameters

· Components with limit values that require monitoring at the workplace:		
78-93-3 butanone		
PEL	Long-term value: 590 mg/m <sup>3</sup> , 200 ppm	
REL	Short-term value: 885 mg/m <sup>3</sup> , 300 ppm Long-term value: 590 mg/m <sup>3</sup> , 200 ppm	
TLV	Short-term value: 885 mg/m <sup>3</sup> , 300 ppm Long-term value: 590 mg/m <sup>3</sup> , 200 ppm BEI	
108-65-6 2-methoxy-1-methylethyl acetate		
WEEL	Long-term value: 50 ppm	

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123-86-4 n-butyl acetate

PEL	Long-term value: 710 mg/m <sup>3</sup> , 150 ppm
REL	Short-term value: 950 mg/m <sup>3</sup> , 200 ppm Long-term value: 710 mg/m <sup>3</sup> , 150 ppm
TLV	Short-term value: 712 mg/m <sup>3</sup> , 150 ppm Long-term value: 238 mg/m <sup>3</sup> , 50 ppm

1330-20-7 Xylene

PEL	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 655 mg/m <sup>3</sup> , 150 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 651 mg/m <sup>3</sup> , 150 ppm Long-term value: 434 mg/m <sup>3</sup> , 100 ppm BEI

100-41-4 ethylbenzene

PEL	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 545 mg/m <sup>3</sup> , 125 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Long-term value: 87 mg/m <sup>3</sup> , 20 ppm BEI

78-93-3 butanone

PEL	Long-term value: 590 mg/m <sup>3</sup> , 200 ppm
REL	Short-term value: 885 mg/m <sup>3</sup> , 300 ppm Long-term value: 590 mg/m <sup>3</sup> , 200 ppm
TLV	Short-term value: 885 mg/m <sup>3</sup> , 300 ppm Long-term value: 590 mg/m <sup>3</sup> , 200 ppm BEI

108-65-6 2-methoxy-1-methylethyl acetate

WEEL	Long-term value: 50 ppm
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123-86-4 n-butyl acetate

PEL	Long-term value: 710 mg/m <sup>3</sup> , 150 ppm
REL	Short-term value: 950 mg/m <sup>3</sup> , 200 ppm Long-term value: 710 mg/m <sup>3</sup> , 150 ppm
TLV	Short-term value: 712 mg/m <sup>3</sup> , 150 ppm Long-term value: 238 mg/m <sup>3</sup> , 50 ppm

1330-20-7 Xylene

PEL	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 655 mg/m <sup>3</sup> , 150 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 651 mg/m <sup>3</sup> , 150 ppm Long-term value: 434 mg/m <sup>3</sup> , 100 ppm BEI

100-41-4 ethylbenzene

PEL	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
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REL	Short-term value: 545 mg/m <sup>3</sup> , 125 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Long-term value: 87 mg/m <sup>3</sup> , 20 ppm
BEI	

· Regulatory information

- PEL: Guide to Occupational Exposure Values (OSHA PELs)
- REL: Guide to Occupational Exposure Values (NIOSH RELs)
- TLV: Guide to Occupational Exposure Values (TLV)
- WEEL: Guide to Occupational Exposure Values (AIHA WEELs)

· Ingredients with biological limit values:

78-93-3 butanone

BEI 2 mg/L  
Medium: urine  
Time: end of shift  
Parameter: MEK

100-41-4 ethylbenzene

BEI 0.7 g/g creatinine  
Medium: urine  
Time: end of shift at end of workweek  
Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)

-  
Medium: end-exhaled air  
Time: not critical  
Parameter: Ethyl benzene (semi-quantitative)

· Additional information:

The lists that were valid during the creation were used as basis.

· 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.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.

· Breathing equipment:

Suitable respiratory protective device recommended.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Filter AX

· Protection of hands:



Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

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

· For the permanent contact gloves made of the following materials are suitable: Butyl rubber, glove thickness 0.7 mm, > 480 min breakthrough time / permeation to EN374.

· As protection from splashes gloves made of the following materials are suitable:

(recommended: at least protection index 2, corresponding > 30 minutes permeability time / Permeation according to EN 374)

chloroprene rubber (CR) - 0.5 mm thickness

nitrile rubber (NBR) - 0.4 mm thickness

· Eye protection:



Tightly sealed goggles

**9 Physical and chemical properties**

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Fluid

Color: According to product specification

· Odor: Characteristic

· Odor threshold: Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 79 °C (174.2 °F)

· Flash point: -4 °C (24.8 °F)

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 315 °C (599 °F)

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· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
Lower:	1.2 Vol %
Upper:	11.5 Vol %
· Vapor pressure at 20 °C (68 °F):	105 hPa (78.8 mm Hg)
· Density at 20 °C (68 °F):	0.88333 g/cm <sup>3</sup> (7.37139 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic at 20 °C (68 °F):	11 s (DIN 53211/4)
· Solvent content:	
Organic solvents:	100.0 %
VOC content:	100.00 %
	VOC content: 883.3 g/l / 7.37 lb/gal
· Other information	No further relevant information available.

**10 Stability and reactivity**

- Reactivity No further relevant information available.
- Chemical stability
- Thermal decomposition / conditions to be avoided:  
No decomposition if used according to specifications.
- Possibility of hazardous reactions No dangerous reactions known.
- Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

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**11 Toxicological information**

- Information on toxicological effects
- Acute toxicity:

· LD/LC50 values that are relevant for classification:

78-93-3 butanone

Oral	LD50	3300 mg/kg bw (rat)
Dermal	LD50	5000 mg/kg bw (rabbit)

108-65-6 2-methoxy-1-methylethyl acetate

Oral	LD50	8532 mg/kg bw (rat)
Inhalative	LC50/4 h	35.7 mg/l (rat)

123-86-4 n-butyl acetate

Oral	LD50	13100 mg/kg bw (rat)
Dermal	LD50	>5000 mg/kg bw (rabbit)
Inhalative	LC50/4 h	>21 mg/l (rat)

100-41-4 ethylbenzene

Oral	LD50	3500 mg/kg bw (rat)
Dermal	LD50	17800 mg/kg bw (rabbit)

- Primary irritant effect:
  - on the skin: No irritant effect.
  - on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
 

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant
- Carcinogenic categories

· IARC (International Agency for Research on Cancer)

100-41-4	ethylbenzene	2B
108-88-3	toluene	3

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

**12 Ecological information**

· Toxicity

· Aquatic toxicity:

108-65-6 2-methoxy-1-methylethyl acetate

EC50	408-500 mg/l (daphnia magna) (48 uur/hour)
IC 50	>1000 mg/l (Algae, Growth inhibition test) (72 uur/hour)
LC50	100-180 mg/l (Fish Acute Toxicity Study) (96 uur/hour)

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- Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes:  
Water hazard class 2 (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.
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- Other adverse effects No further relevant information available.

**13 Disposal considerations**

- Waste treatment methods
- Recommendation:  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

**14 Transport information**

- UN-Number
  - DOT, ADR, IMDG, IATA
  - UN proper shipping name
  - DOT
  - ADR
  - IMDG
  - IATA
  - Transport hazard class(es)
  - DOT
  - Class
- |  |   |
|--|---|
|  | UN1263  |
|  | CONSUMER COMMODITY, ORM-D<br>Paint related material                         |
|  | 1263 PAINT RELATED MATERIAL (vapour pressure at 50°C not more than 110 kPa) |
|  | CONSUMER COMMODITY, ORM-D<br>PAINT RELATED MATERIAL                         |
|  | PAINT RELATED MATERIAL  |
|  |   |
|  |   |
|  |   |
|  | 3 Flammable liquids   |



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· Label	3
· ADR	
	
· Class	3 (F1) Flammable liquids
· Label	3
· IMDG, IATA	
	
· Class	3 Flammable liquids
· Label	3
· Packing group	
· DOT, ADR, IMDG, IATA	II
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Warning: Flammable liquids
· Hazard identification number (Kemler code):	33
· EMS Number:	F-E, <u>S-E</u>
· Stowage Category	B
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
· Remarks:	CERCLA/DOT RQ: 617gal./4786 lbs.
· ADR	
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· IMDG	
· Limited quantities (LQ)	5L

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· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1263 PAINT RELATED MATERIAL (VAPOUR PRESSURE AT 50°C NOT MORE THAN 110 KPA), 3, II

**15 Regulatory information**

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

· Section 355 (extremely hazardous substances):  
None of the ingredient is listed.

· Section 313 (Specific toxic chemical listings):

100-41-4	ethylbenzene
108-88-3	toluene

· TSCA (Toxic Substances Control Act):  
All components have the value ACTIVE.

· Hazardous Air Pollutants

1330-20-7	Xylene
100-41-4	ethylbenzene
108-88-3	toluene

· Proposition 65

· Chemicals known to cause cancer:

100-41-4	ethylbenzene
----------	--------------

· Chemicals known to cause reproductive toxicity for females:  
None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:  
None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

108-88-3	toluene
----------	---------

· Cancerogenity categories

· EPA (Environmental Protection Agency)

78-93-3	butanone	I
100-41-4	ethylbenzene	D
108-88-3	toluene	II

· TLV (Threshold Limit Value)

100-41-4	ethylbenzene	A3
108-88-3	toluene	A4

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· MAK (German Maximum Workplace Concentration)		
100-41-4	ethylbenzene	3A

· NIOSH-Ca (National Institute for Occupational Safety and Health)		
None of the ingredients is listed.		

- GHS label elements  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms



- Signal word Danger
- Hazard-determining components of labeling:  
Xylene  
butanone  
2-methoxy-1-methylethyl acetate  
ethylbenzene
- Hazard statements  
H225 Highly flammable liquid and vapor.  
H319 Causes serious eye irritation.  
H351 Suspected of causing cancer.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H304 May be fatal if swallowed and enters airways.
- Precautionary statements  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310 If swallowed: Immediately call a poison center/doctor.  
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- National regulations:
- Technical instructions (air):

Class	Share in %
NK	50-100

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

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- Chemical safety assessment:  
A Chemical Safety Assessment has not been carried out.

**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.

- Department issuing SDS: Environment protection department.
- Contact: J.J. van Dijk
- Date of preparation / last revision 02/16/2021 / 4
- Abbreviations and acronyms:
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - ICAO: International Civil Aviation Organisation
  - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - 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)
  - NEPPA: National Fire Protection Association (USA)
  - HMIS: Hazardous Materials Identification System (USA)
  - VOC: Volatile Organic Compounds (USA, EU)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - NIOSH: National Institute for Occupational Safety
  - OSHA: Occupational Safety & Health
  - TLV: Threshold Limit Value
  - PEL: Permissible Exposure Limit
  - REL: Recommended Exposure Limit
  - BEI: Biological Exposure Limit
  - 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. 2A: Serious eye damage/eye irritation - Category 2A
  - Carc. 2: Carcinogenicity - Category 2
  - 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
- \* Data compared to the previous version altered.