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Safety data sheet according to 1907/2006/EC, Article 31

Printing date 13.11.2019 Revision: 13.11.2019

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

None

· 1.1 Product identifier For professional use only

· Trade name: Hardener 9004

· Article number: 9004

- · 1.2 Relevant identified uses of the substance or mixture and uses advised against Surface Coating
- · Application of the substance / the mixture

Surface Coating Surface Coating

- · Uses advised against Product is not intended, labelled or packaged for consumer use.
- · 1.3 Details of the supplier of the safety data sheet
- · Supplier:

HMG PAINTS LIMITED

RIVERSIDE WORKS, COLLYHURST ROAD,

MANCHESTER. M40 7RU

UNITED KINGDOM

TEL: +44 (0)161 205 7631 EMAIL: sales@hmgpaint.com

- · Further information obtainable from: sales@hmgpaint.com
- · 1.4 Emergency telephone number: +44 (0)161 205 7631 (Business hours)

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 3 H226 Flammable liquid and vapour.
Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008

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

· Hazard pictograms





GHS02

GHS07

- · Signal word Warning
- · Hazard-determining components of labelling:

Hexamethylene-1,6-diisocyanate Homopolymer

Butyl ethanoate

hexamethylene-1,6 diisocyanate

· Hazard statements

H226 Flammable liquid and vapour.H317 May cause an allergic skin reaction.

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

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· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

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

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

water/shower.

P405 Store locked up.

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

regulations.

· Additional information:

Contains isocyanates. May produce an allergic reaction.

- · 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:		
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29-XXXX	Butyl ethanoate Flam. Liq. 3, H226; STOT SE 3, H336	>25- <u>≤</u> 50%
CAS: 28182-81-2 NLP: 500-060-2 Reg.nr.: 01-2119970543-34-0001	Hexamethylene-1,6-diisocyanate Homopolymer Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335	>25-≤50%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-xxxx	Xylene (mix) ♠ 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	>2.5-≤10%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226	>2.5-≤10%
CAS: 822-06-0 EINECS: 212-485-8 Reg.nr.: 01-2119457571-37-0000/5/6	hexamethylene-1,6 diisocyanate Acute Tox. 2, H330; Resp. Sens. 1, H334; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	≤1%

· Additional information:

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

Hexamethylene-1,6-diisocyanate wt% <0.5%

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation:

In case of unconsciousness place the patient stably in side position for transportation. If the aerosol or vapour in inhaled in high concentrations, take the person into fresh air, keep warm and let rest. If there is difficulty in breathing, medical advice is required.

Supply fresh air and call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

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· After skin contact:

Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. Immediately rinse with water.

· After eye contact:

Hold the eye open and rinse with (preferably)luke warm water for a sufficiently long period of time (at least 10 minutes). Contact a doctor or opthalmologist.

· After swallowing:

DO NOT induce the patient to vomit, medical advice is required.

Do not induce vomiting; call for medical help immediately and show safety datasheet or label.

- · 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 Treat symptomatically.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
- · Protective equipment: Put on breathing apparatus

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:

Prevent seepage into sewage system, workpits and cellars.

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.

 ${\it Ensure \ a dequate \ ventilation}.$

· 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.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Keep receptacles tightly sealed.

Ensure good ventilation/extraction at the workplace.

Prevent formation of aerosols.

· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles:

Store separately from oxidising agents, strongly alkaline and strongly acidic materials, amines, alcohols and water

· Information about storage in one common storage facility:

Store separately from oxidising agents, strongly alkaline, strongly acidic materials, amines, alcohols and water.

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 $\cdot \textit{Further information about storage conditions:} \\$

Keep receptacle tightly sealed and in a well-ventilated place.

Keep away from heat.

· 7.3 Specific end use(s) No further relevant information available.

Additiona		Exposure controls/personal protection nation about design of technical facilities: No further data; see item 7.	
8.1 Contro		neters imit values that require monitoring at the workplace:	
1123-86-4 I		1 0 1	_
WEL	-	-term value: 966 mg/m³, 200 ppm	
WLL		-term value: 700 mg/m , 200 ppm -term value: 724 mg/m³, 150 ppm	
28182-81-		methylene-1,6-diisocyanate Homopolymer	
EH40 WE	L Short	-term value: 0.07 mg/m³	
	_	-term value: 0.02 mg/m³	
1330-20-7	-		
WEL		-term value: 441 mg/m³, 100 ppm	
	Long- Sk; B	-term value: 220 mg/m³, 50 ppm MGV	
108-65-6		xxy-1-methylethyl acetate	
WEL 2		-term value: 548 mg/m³, 100 ppm	
WLL		-term value: 274 mg/m³, 50 ppm	
	Sk		
822-06-01	iexamei	thylene-1,6 diisocyanate	
WEL		-term value: 0.07 mg/m³	
		-term value: 0.02 mg/m ³	
	Sen; c	as -NCO	
DNELs			
123-86-4			
Oral		2 mg/day (Con)	
Dermal	DNEL	6 mg/day (Con)	
		11 mg/day (Ind)	
Inhalative	DNEL	$35.7 \text{ mg/m}^3 (Con)$	
20102.01	2 77	300 mg/m³ (Ind)	
		methylene-1,6-diisocyanate Homopolymer	
		0.5 mg/m³ (Ind)	
		xy-1-methylethyl acetate	
Oral		1.67 mg/day (Con)	
Dermal	DNEL	54.8 mg/day (Con)	
III	DMEL	153.5 mg/day (Ind)	
ınnalative	DNEL	33 mg/m³ (Con)	
1330-20-7	Vulana	275 mg/m³ (Ind)	
1330-20-7 Dermal		108 mg/day (Con)	
Deimai	DNEL	180 mg/day (Ind)	
T 1 1	DNEL	180 mg/aay (1na) 14.8 mg/m³ (Con)	
Inhalation			

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822-06-0 hexamethylene-1,6 diisocyanate

Inhalative DNEL 0.035 mg/m³ (Ind)

· PNECs

CAS No. 1330-20-7 Xylene mixed isomers

- Fresh water; 0.327 mg/l
 Marine water; 0.327 mg/l
 Intermittent release; 0.327 mg/l
- STP; 6.58 mg/l
- Sediment (Freshwater); 12.46 mg/kg - Sediment (Marinewater); 12.46 mg/kg
- Soil; 2.31 mg/kg

CAS No. 28182-81-2 Hexamethylene-1,6-diisocyanate Homopolymer

Freshwater: 0.127 mg/l Marine water: 0.0127 mg/l

Water: Intermittent release: 1.27 mg/l

Fresh water sediment: 266700 mg/kg dry weight Marine sediment: 26670 mg/kg dry weight STP (sewage-treatment plant): 38.3 mg/l

Soil: 53182 mg/kg dry weight Air: No hazard identified

Secondary poisoning: Does not bioaccumulate.

CAS No. 123-86-4 Butyl Acetate

Freshwater: 0.18 mg/l Marine water: 0.018 mg/l

Fresh water sediment: 0.981 mg/kg Marine sediment: 0.0981 mg/kg

Soil: 0.0903 mg/kg

STP (sewage-treatment plant): 35.6 mg/l Intermittent use/release: 0.36 mg/l

· Ingredients with biological limit values:

1330-20-7 Xylene (mix)

BMGV 650 mmol/mol creatinine

Medium: urine

Sampling time: post shift Parameter: methyl hippuric acid

822-06-0 hexamethylene-1,6 diisocyanate

BMGV 1 µmol creatinine/mol

Medium: urine

Sampling time: At the end of the period od exposure

Parameter: isocyanate-derived diamine

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

· Respiratory protection:

In the case of hypersensitivity of the respiratory tract (e.g. asthmatics and those who suffer from chronic bronchitis)it is inadvisable to work with the product.

When spraying the product, use a respiratory protective device.

· Protection of hands:

Conditionally suitable materials for protective gloves:DIN EN 374-3 fluorinated rubber-FKM:thickness >0.40mm. Breakthrough time: only suitable for splashes.

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When skin exposure may occur, advice should be sought from the glove supplier on appropriate types and usage times for this product.



Protective gloves

· Material of gloves

Conditionally suitable materials for protective gloves: DIN EN 374-3 fluorinated rubber - FKM: thickness >0.04mm.

- · Penetration time of glove material Only suitable for splashes
- · Eye protection:



Tightly sealed goggles

SECTION 9:	m1 · 1		•	
	Physical	and cl	iomicai	nranarties

· 9.1	Information	on basic	: physical	and o	chemical	properties
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· General Information

· Appearance:

Form: Liquid
Colour: Clear
Odour: Charac

Odour: Characteristic
 Odour threshold: Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/freezing point: Undetermined. **Initial boiling point and boiling range:** >120 °C

· Flash point: 27 °C

· Flammability (solid, gas): Not applicable.

· Ignition temperature: 315 °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:
 1.2 Vol %

 Upper:
 7.5 Vol %

· Vapour pressure at 20 °C: 11.2 hPa

Density at 20 °C: 0.977 g/cm³
 Relative density Not determined.
 Vapour density Not determined.
 Evaporation rate Not determined.

· Solubility in / Miscibility with

water: NOT MISCIBLE

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

Dynamic at 20 °C: 100 mPas

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Kinematic:	Not determined.
· Solvent content: Organic solvents:	58.4 %
Solids content: - 9.2 Other information	41.6 % 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

Exothermic reaction with amines and alcohols, reacts slowly with water forming CO2. In closed containers, risk of bursting due to increased pressure,

- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials:

Oxidising agents, strongly alkaline and strongly acidic materials, amines, alcohols and water.

· 10.6 Hazardous decomposition products:

No dangerous decomposition products when stored and handled correctly

SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
- · Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50	· LD/LC50 values relevant for classification:		
123-86-4 I	123-86-4 Butyl ethanoate		
Oral	LD50	10,760 mg/kg (rat)	
Dermal	LD50	14,112 mg/kg (Rab)	
Inhalative	LC50/4 h	23.4 mg/l (Rat)	
28182-81-	2 Hexame	thylene-1,6-diisocyanate Homopolymer	
Oral	LD50	>2,500 mg/kg (rat) (OECD Test Guidline 423)	
Dermal	LD50	>2,000 mg/kg (rat) (OECD Test Guideline 402)	
Inhalative	LC50/4 h	0.39 mg/l (rat) (Method: OECD Test Guideline 403)	
108-65-6 2	-methoxy-	1-methylethyl acetate	
Oral	LD50	>5,000 mg/kg (rat)	
Dermal	LD50	5,000 mg/kg (Rat)	
Inhalative	LC50/4 h	>10.8 mg/l (Rat)	
1330-20-7	Xylene (m	ix)	
Oral	LD50	5,000 mg/kg (Rat)	
Dermal	LD50	2,000 mg/kg (rbt)	
Inhalative	LC50/4 h	11 mg/l (Rat)	
822-06-0 hexamethylene-1,6 diisocyanate			
Oral	LD50	746 mg/kg (Rat)	
Dermal	LD50	>7,000 mg/kg (Rat)	
Inhalative	LC50/4 h	0.124 mg/l (Rat)	
. Primary ir	· Primary irritant effect:		

- · Primary irritant effect:
- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation Based on available data, the classification criteria are not met.

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· Respiratory or skin sensitisation

May cause an allergic skin reaction.

· Additional toxicological information:

Based on the properties of the isocyanate content of this product, respiratory exposure may cause acute irritation and / or sensitisation of the respiratory system, resulting in asthmatic symptoms, wheezing and a tightness of the chest, Sensitised persons may subsequently show asthmatic symptoms when exposed to airborne concentrations of isocyanates well below the occupational exposure limit. Repeated exposure may lead to permanent respiratory disability.

COSHH requires that persons exposed to products containing HDI which is a respiratory sensitiser are subject to appropriate health surveillance. Publications giving guidance on health surveillance are listed in Section 16.

- · CMR effects (carcinogenity, 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. May cause drowsiness or dizziness.

- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

Acute Fish toxicity

Hexamethylene-1,6-diisocyanate Homopolymer

 $LC50 > 100 \, mg/l$

Test type: Acute Fish toxicity Species: Danio rerio (zebra fish)

Exposure duration: 96 h

Method: Directive 67/548/EEC, Annex V, C.1.

Acute toxicity for daphnia

Hexamethylene-1,6-diisocyanate Homopolymer

 $EC50 > 100 \, mg/l$

Species: Daphnia magna (Water flea)

Exposure duration: 48 h

Method: Directive 67/548/EEC, Annex V, C.2.

Acute toxicity for algae

Hexamethylene-1,6-diisocyanate Homopolymer

ErC50 > 1,000 mg/l Test type: Growth inhibition Species: scenedesmus subspicatus

Exposure duration: 72 h Method: DIN 38412

Acute bacterial toxicity

Hexamethylene-1,6-diisocyanate Homopolymer

EC50 3,828 mg/l

Test type: Respiration inhibition Species: activated sludge Exposure duration: 3 h

Method: OECD Test Guideline 209

Ecotoxicology Assessment

Hexamethylene-1,6-diisocyanate Homopolymer

Acute aquatic toxicity: Based on available data, the classification criteria are not met.

Chronic aquatic toxicity: There is no evidence of a chronic aquatic toxicity.

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Impact on Sewage Treatment: Because of the low bacterial toxicity, there is no risk of an adverse effect on the performance of biological waste water treatment plants.

Acute Fish toxicity n-Butyl acetate LC50 18 mg/l

Species: Pimephales promelas (fathead minnow)

Exposure duration: 96 h

Chronic Fish toxicity n-Butyl acetate No data available.

Acute toxicity for daphnia

n-Butyl acetate EC50 44 mg/l

Species: Daphnia (water flea) Exposure duration: 48 h

Chronic toxicity to daphnia

n-Butyl acetate NOEC 23 mg/l

Species: Daphnia magna (Water flea)

Exposure duration: 21 d Method: OECD Test Guideline 211

Acute toxicity for algae

n-Butyl acetate EC50 675 mg/l

Species: Scenedesmus quadricauda (Green algae)

Exposure duration: 72 h

Acute bacterial toxicity

EC50 356 mg/l

Species: activated sludge Exposure duration: 40 h

- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 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.

- · 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · 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.

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- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport informat	tion
14.1 UN-Number ADR, IMDG, IATA	UN1263
14.2 UN proper shipping name ADR IMDG, IATA	1263 PAINT RELATED MATERIAL PAINT RELATED MATERIAL
14.3 Transport hazard class(es) ADR, IMDG, IATA	
Class Label	3 Flammable liquids.
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user Danger code (Kemler): EMS Number: Stowage Category	Warning: Flammable liquids. 30 F-E, <u>S-E</u> A
14.7 Transport in bulk according to Anno Marpol and the IBC Code	ex II of Not applicable.
Transport/Additional information:	
ADR Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Transport category Tunnel restriction code	3 D/E
IMDG Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN ''Model Regulation'':	UN 1263 PAINT RELATED MATERIAL, 3, III

SECTION 15: Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- $\cdot \textit{Named dangerous substances ANNEX I} \ \textit{None of the ingredients is listed}.$
- · Seveso category P5c FLAMMABLE LIQUIDS

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- · 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:
- · Technical instructions (air):

Class	Share in %
Ι	0.2
NK	58.4

- · Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Publications available fron the HSE:

Breath Freely, INDG 172; respiratory Sensitisers and COSHH - a guide for employers INDG95; Isocyanates - health hazards and precautionary measures, EH11 etc.

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.

· Full text of H-Statements referred to under sections 2 and 3:

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

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.

H330 Fatal if inhaled.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

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

- · Department issuing SDS: Product safety department: LABORATORY
- · Contact: Health & Safety Officer
- · 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 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)

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. 3: Flammable liquids – Category 3

Acute Tox. 2: Acute toxicity - Category 2

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

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2 Asp. Tox. 1: Aspiration hazard – Category 1

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