

POLYKEN 1027 LIQUID ADHESIVE - ISO

1. Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance or preparation:

Productname : POLYKEN 1027 LIQUID ADHESIVE - ISO
Synonyms : POLYKEN 927PN LIQUID ADHESIVE - EU
POLYKEN PRIMER 927 PN - EU
PRIMER 927PN - EU

CAS No. : N.A.
EC index No. : N.A.
EINECS No. : N.A.
RTECS No. : N.A.

NFPA code : N.D.
Molecular weight : N.A.
Formula : N.A.

1.2 Use of the substance/preparation:

- Coating
- Professional use

1.3 Company/undertaking identification:

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Tel: +32 14 72 25 00
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e-mail address: cpge@berryplastics.com

1.4 Emergency telephone:

+32 14 58 45 45 (24/24 h)
Brandweerinformatiecentrum voor Gevaarlijke Stoffen (BIG)
Technische Schoolstraat 43 A, B-2440 Geel

2. Hazards identification

- Highly flammable
- Harmful by inhalation and in contact with skin
- Irritating to skin
- Harmful: may cause lung damage if swallowed
- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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3. Composition/information on ingredients

Hazardous ingredients	CAS No. EINECS/ELINCS No.	Conc. (%)	Hazards (R-phrases)	Hazard symbol
resin, phenol	-	>4.7	36/37/38 (1)	Xi
xylene, mixture of isomers	1330-20-7 215-535-7	>10-<10.4	10-20/21-38 (1) (2)	Xn
ethylbenzene	100-41-4 202-849-4	<0.1	11-20 (1) (2)	F;Xn
methanol	67-56-1 200-659-6	1-2	11-23/24/25- 39/23/24/25 (1) (2)	F;T
cyclohexane	110-82-7 203-806-2	1-2	11-38-50/53-65-67 (1) (2)	F;Xn;N
heptane [and isomers]	31394-54-4 250-610-8	7-15	11-38-50/53-65-67 (1) (2)	F;Xn;N
hexane, mixture of isomers (containing < 5% n-hexane (203- 777-6))	-	0.5-0.8	11-38-51/53-65-67 (1)	F;Xn;N
methylcyclohexane	108-87-2 203-624-3	7-12	11-38-51/53-65-67 (1) (2)	F;Xn;N
n-hexane	110-54-3 203-777-6	0.5-0.8	11-38-48/20- 51/53-62-65-67 (1) (2)	F;Xn;N
octane and isomers	111-65-9 203-892-1	20-25	11-38-50/53-65-67 (1) (2)	F;Xn;N

(1) For R-phrases in full: see heading 16

(2) Substance with a Community workplace exposure limit

(3) PBT-substance

4. First aid measures

4.1 After inhalation:

- Remove the victim into fresh air
- Respiratory problems: consult a doctor/medical service

4.2 Skin contact:

- Rinse immediately with plenty of water
- Soap may be used
- Do not apply (chemical) neutralizing agents
- Take victim to a doctor if irritation persists

4.3 Eye contact:

- Rinse immediately with plenty of water
- Do not apply neutralizing agents
- Take victim to an ophthalmologist if irritation persists

4.4 After ingestion:

- Rinse mouth with water
- Do not induce vomiting
- If you feel unwell: consult a doctor/medical service

5. Fire-fighting measures

5.1 Suitable extinguishing media:

- Water spray
- Polyvalent foam
- BC powder
- Carbon dioxide

5.2 Unsuitable extinguishing media:

- No data available

5.3 Special exposure hazards:

- Gas/vapour spreads at floor level: ignition hazard
- May build up electrostatic charges: risk of ignition
- Upon combustion CO and CO₂ are formed

5.4 Instructions:

- Cool tanks/drums with water spray/remove them into safety
- Take account of environmentally hazardous fire-fighting water
- Use fire-fighting water moderately and contain it
- Do not move the load if exposed to heat

5.5 Special protective equipment for firefighters:

- Heat/fire exposure: self-contained breathing apparatus
- Protective clothing

6. Accidental release measures

6.1 Personal precautions:

See heading 8.2

6.2 Environmental precautions:

- Prevent soil and water pollution
- Prevent spreading in sewers
- Contain released substance, pump over in suitable containers
- Plug the leak, cut off the supply
- Dam up the liquid spill
- Try to reduce evaporation
- See heading 13

6.3 Methods for cleaning up:

- Take up liquid spill into a non combustible material e.g.: sand/earth
- Shovel absorbed substance in closing drums
- Carefully collect the spill/leftovers
- Damaged/cooled tanks must be emptied
- Do not use compressed air for pumping over spills
- Clean contaminated surfaces with an excess of water
- Take collected spill to manufacturer/competent authority

7. Handling and storage

7.1 Handling:

- Observe normal hygiene standards
- Use spark-/explosionproof appliances and lighting system
- Take precautions against electrostatic charges
- Handle uncleaned empty containers as full ones
- Do not discharge the waste into the drain

7.2 Storage:

- Keep container tightly closed
- Store in a cool area
- Ventilation at floor level
- Provide for a tub to collect spills
- Keep away from: heat sources, ignition sources, oxidizing agents

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Storage temperature	: N.D.	°C
Quantity limit	: N.D.	kg
Storage life	: N.D.	days
Materials for packaging	:	
- suitable	: no data available	
- to avoid	: no data available	

7.3 Specific use(s):

- See information supplied by the manufacturer for the identified use(s)

8. Exposure controls/Personal protection

8.1 Exposure limit values:

8.1.1 Occupational exposure:

xylene, mixture of isomers

TLV-TWA	:	mg/m ³	100	ppm
TLV-STEL	:	mg/m ³	150	ppm
WEL-LTEL	: 220	mg/m ³	50	ppm
WEL-STEL	: 441	mg/m ³	100	ppm
TRGS 900	: 440	mg/m ³	100	ppm
MAK	: 440	mg/m ³	100	ppm
GWBNI-TGG 8 h	: 210	mg/m ³	(wettelijk)	
GWKNI-TGG 15 min.	: 442	mg/m ³		
VME-8 h	: 221	mg/m ³	50	ppm
VLE-15 min.	: 442	mg/m ³	100	ppm
GWBB-8 h	: 221	mg/m ³	50	ppm
GWK-15 min.	: 442	mg/m ³	100	ppm
EC	: 221	mg/m ³	50	ppm
EC-STEL	: 442	mg/m ³	100	ppm

ethylbenzene

TLV-TWA	:	mg/m ³	(100)	ppm
TLV-STEL	:	mg/m ³	125	ppm
WEL-LTEL	: 441	mg/m ³	100	ppm
WEL-STEL	: 552	mg/m ³	125	ppm
TRGS 900	: 440	mg/m ³	100	ppm
GWBNI-TGG 8 h	: 215	mg/m ³	(wettelijk)	
GWKNI-TGG 15 min.	: 430	mg/m ³		
VME-8 h	: 88.4	mg/m ³	20	ppm
VLE-15 min.	: 442	mg/m ³	100	ppm
GWBB-8 h	: 442	mg/m ³	100	ppm
GWK-15 min.	: 551	mg/m ³	125	ppm
EC	: 442	mg/m ³	100	ppm
EC-STEL	: 884	mg/m ³	200	ppm

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methanol

TLV-TWA	:		mg/m ³	200	ppm
TLV-STEL	:		mg/m ³	250	ppm
WEL-LTEL	:	266	mg/m ³	200	ppm
WEL-STEL	:	333	mg/m ³	250	ppm
TRGS 900	:	270	mg/m ³	200	ppm
MAK	:	270	mg/m ³	200	ppm
GWBNL-TGG 8 h	:	260	mg/m ³	(wettelijk)	
GWKNL-TGG 15 min.	:	520	mg/m ³		
VME-8 h	:	260	mg/m ³	200	ppm
VLE-15 min.	:	1300	mg/m ³	1000	ppm
GWBB-8 h	:	266	mg/m ³	200	ppm
GWK-15 min.	:	333	mg/m ³	250	ppm
EC	:	260	mg/m ³	200	ppm
EC-STEL	:	-	mg/m ³	-	ppm

cyclohexane

TLV-TWA	:		mg/m ³	100	ppm
TLV-STEL	:		mg/m ³	-	ppm
WEL-LTEL	:	350	mg/m ³	100	ppm
WEL-STEL	:	1050	mg/m ³	300	ppm
TRGS 900	:	700	mg/m ³	200	ppm
MAK	:	700	mg/m ³	200	ppm
GWBNL-TGG 8 h	:	700	mg/m ³	(wettelijk)	
GWKNL-TGG 15 min.	:	1400	mg/m ³		
VME-8 h	:	700	mg/m ³	200	ppm
VLE-15 min.	:	1300	mg/m ³	375	ppm
GWBB-8 h	:	350	mg/m ³	100	ppm
GWK-15 min.	:	-	mg/m ³	-	ppm
EC	:	700	mg/m ³	200	ppm
EC-STEL	:	-	mg/m ³	-	ppm

heptane [and isomers]

TRGS 900	:	2100	mg/m ³	500	ppm
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methylcyclohexane

TLV-TWA	:		mg/m ³	400	ppm
TLV-STEL	:		mg/m ³	-	ppm
TRGS 900	:	810	mg/m ³	200	ppm
MAK	:	810	mg/m ³	200	ppm
GWBNL-TGG 8 h	:	1600	mg/m ³	(indicatief)	
VME-8 h	:	1600	mg/m ³	400	ppm
VLE-15 min.	:	-	mg/m ³	-	ppm
GWBB-8 h	:	1633	mg/m ³	400	ppm
GWK-15 min.	:	-	mg/m ³	-	ppm

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n-hexane

TLV-TWA	:		mg/m³	50	ppm
TLV-STEL	:		mg/m³	-	ppm
WEL-LTEL	:	72	mg/m³	20	ppm
WEL-STEL	:	-	mg/m³	-	ppm
TRGS 900	:	180	mg/m³	50	ppm
MAK	:	180	mg/m³	50	ppm
GWBNI-TGG 8 h	:	72	mg/m³	(wettelijk)	
GWKNI-TGG 15 min.	:	144	mg/m³		
VME-8 h	:	72	mg/m³	20	ppm
VLE-15 min.	:	-	mg/m³	-	ppm
GWBB-8 h	:	72	mg/m³	20	ppm
GWK-15 min.	:	-	mg/m³	-	ppm
EC	:	72	mg/m³	20	ppm
EC-STEL	:	-	mg/m³	-	ppm

octane and isomers

TLV-TWA	:		mg/m³	300	ppm
TLV-STEL	:		mg/m³	-	ppm
VME-8 h	:	1450	mg/m³	300	ppm

8.1.2 Sampling methods:

- Xylene (Hydrocarbons, aromatic)	NIOSH 1501
- Xylene (o-, m-, & p-isomers)	OSHA 7
- Xylene (Volatile Organic compounds)	NIOSH 2549
- Xylene	OSHA CSI
- Methyl Alcohol (Methanol)	NIOSH 2000
- Methyl Alcohol	OSHA 91
- Methanol (organic and inorganic gases by Extractive FTIR)	NIOSH 3800
- Methanol (Volatile Organic compounds)	NIOSH 2549
- Methyl Alcohol	OSHA CSI
- Cyclohexane (Hydrocarbons, BP36 to 126C)	NIOSH 1500
- Cyclohexane	OSHA 7
- Cyclohexane	OSHA CSI
- Cyclohexane	NIOSH 95-117
- n-Heptane (Hydrocarbons, BP 26 to 126 C)	NIOSH 1500
- n-Heptane	OSHA 7
- Hexane (isomers other than n-Hexane)	OSHA CSI
- Methyl Cyclohexane (Hydrocarbons, BP36 to 126C)	NIOSH 1500
- Methyl Cyclohexane	OSHA 7
- Methylcyclohexane	OSHA CSI
- Methylcyclohexane	NIOSH 95-117
- n-Hexane (Hydrocarbons, BP36 to 126C)	NIOSH 1500
- n-Hexane	OSHA 7
- n-Hexane (organic and inorganic gases by Extractive FTIR)	NIOSH 3800
- n-Hexane (Volatile Organic compounds)	NIOSH 2549
- Hexane (n-Hexane)	OSHA CSI
- n-Hexane	NIOSH 95-117

8.2 Exposure controls:

8.2.1 Occupational exposure controls:

- Measure the concentration in the air regularly
- Work under local exhaust/ventilation

Personal protective equipment:

a) Respiratory protection:

- Gas mask with filter type A at conc. in air > exposure limit

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b) Hand protection:

- Gloves
Suitable material: Nitrile rubber
PVA
- Breakthrough time: N.D.

c) Eye protection:

- Protective goggles

d) Skin protection:

- Head/neck protection
- Protective clothing
Suitable material: Nitrile rubber
PVA

8.2.2 Environmental exposure controls: see headings 6.2, 6.3 and 13

9. Physical and chemical properties

9.1 General information:

Appearance (at 20°C)	: Liquid
Odour	: Petroleum-like
Colour	: Black

9.2 Important health, safety and environmental information:

pH value (at %)	: N.D.	
Boiling point/boiling range	: N.D.	°C
Flashpoint/flammability	: < 23	°C
Explosion limits (explosive properties)	: N.D.	vol% (°C)
Oxidising properties	: N.D.	
Vapour pressure (at 20°C)	: N.D.	hPa
Vapour pressure (at 50°C)	: N.D.	hPa
Relative density (at 20°C)	: N.D.	
Water solubility	: Insoluble	
Soluble in	: N.D.	
Relative vapour density	: > 2	
Viscosity (at °C)	: N.D.	Pa.s
Partition coefficient n-octanol/water	: N.D.	
Evaporation rate		
ratio to butyl acetate	: N.D.	
ratio to ether	: N.D.	

9.3 Other information:

Melting point/melting range	: N.D.	°C
Auto-ignition point	: N.D.	°C
Saturation concentration	: N.D.	g/m ³
Specific conductivity	: N.D.	pS/m

10. Stability and reactivity

10.1 Conditions to avoid:

- No data available

10.2 Materials to avoid:

- Keep away from: heat sources, ignition sources, oxidizing agents

10.3 Hazardous decomposition products:

- Upon combustion CO and CO₂ are formed

11. Toxicological information

11.1 Acute toxicity:

xylene, mixture of isomers		
LD50 oral rat	: > 3608	mg/kg
methanol		
LD50 oral rat	: > 5000	mg/kg
LD50 dermal rabbit	: 15800	mg/kg
LC50 inhalation rat	: 85	mg/l/4 h
LC50 inhalation rat	: 64000	ppm/4 h
cyclohexane		
LD50 oral rat	: > 12705	mg/kg
LD50 dermal rabbit	: > 18000	mg/kg
LC50 inhalation rat	: 14	mg/l/4 h
methylcyclohexane		
LD50 dermal rabbit	: 86700	mg/kg
n-hexane		
LD50 oral rat	: 28710	mg/kg
LD50 dermal rabbit	: > 2000	mg/kg
LC50 inhalation rat	: > 20	mg/l/4 h
LC50 inhalation rat	: > 50000	ppm/4 h

11.2 Chronic toxicity:

xylene, mixture of isomers	
Carcinogenicity (TLV)	: A4
Teratogenicity (MAK)	: D
IARC classification	: 3
methanol	
Teratogenicity (MAK)	: C
cyclohexane	
Teratogenicity (MAK)	: D
methylcyclohexane	
Teratogenicity (MAK)	: D
n-hexane	
EC repr. cat.	: 3
Teratogenicity (MAK)	: C

11.3 Routes of exposure: ingestion, inhalation, eye and skin

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11.4 Acute effects/symptoms:

- **AFTER INHALATION**
- EXPOSURE TO HIGH CONCENTRATIONS:
- CNS depression
- Headache
- Nausea
- Dizziness
- Disturbances of consciousness

- **AFTER INGESTION**
- Gastrointestinal complaints
- Risk of aspiration pneumonia

- **AFTER SKIN CONTACT**
- Tingling/irritation of the skin

- **AFTER EYE CONTACT**
- Irritation of the eye tissue

11.5 Chronic effects:

- Contains a substance which is (possibly) teratogenic (methanol)
- Contains a substance which (possibly) impairs fertility (xylene, mixture of isomers)

12. Ecological information

12.1 Ecotoxicity:

xylene, mixture of isomers:

- LC50 (96 h) : 3.77 mg/l (SALMO GAIRDNERI/ ONCORHYNCHUS MYKISS)
- EC50 (48 h) : 7.4 mg/l (DAPHNIA MAGNA)
- EC50 (72 h) : 10 mg/l (SKELETONEMA COSTATUM)

methanol:

- LC50 (96 h) : 10800 mg/l (SALMO GAIRDNERI/ ONCORHYNCHUS MYKISS)
- EC50 (48 h) : 24500 mg/l (DAPHNIA MAGNA)
- EC50 (72 h) : 8000 mg/l (ALGAE)

cyclohexane:

- LC50 (96 h) : 4.53 mg/l (PIMEPHALES PROMELAS)
- EC50 (48 h) : 0.9 mg/l (DAPHNIA MAGNA)

methylcyclohexane:

- LC50 (96 h) : 5.4 mg/l (SALMO GAIRDNERI/ ONCORHYNCHUS MYKISS)
- EC50 (48 h) : 1.47 mg/l (DAPHNIA MAGNA)
- EC50 (3 h) : 10.5 mg/l (ALGAE)

n-hexane:

- LC50 (96 h) : 113 mg/l (TILAPIA MOSAMBICA)
- EC50 (48 h) : 2.1 mg/l (DAPHNIA MAGNA)
- EC50 (h) : 114 mg/l (CHLOROPHYTA)

- **Effect on waste water purification** : no data available

12.2 Mobility:

- **Volatile organic compounds (VOC):** < 22%
- Insoluble in water

For other physicochemical properties see heading 9

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12.3 Persistence and degradability:

- biodegradation BOD₅ : N.D. % ThOD
- water : N.D.
- soil : T ½: N.D. days

12.4 Bioaccumulative potential:

- log P_{ow} : N.D.
- BCF : N.D.

12.5 Results of PBT assessment:

- Not applicable, on the basis of the available data.

12.6 Other adverse effects:

- WGK : 2 (Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4))
- Effect on the ozone layer : Not dangerous for the ozone layer (1999/45/EC)
- Greenhouse effect : No data available

13. Disposal considerations

13.1 Provisions relating to waste:

- Waste material code (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 08 01 11* (waste paint and varnish containing organic solvents or other dangerous substances)
- LWCA (the Netherlands): KGA category 03
- Hazardous waste (91/689/EEC)
- Remove waste in accordance with local and/or national regulations

13.2 Disposal methods:

- Remove to an authorized plant for the destruction, neutralization and elimination of hazardous waste
- Do not discharge into surface water

13.3 Packaging:

- Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 10* (packaging containing residues of or contaminated by dangerous substances)

14. Transport information

14.1 Classification of the substance in compliance with UN Recommendations

UN-number : 1139
 CLASS : 3
 SUB RISKS : -
 PACKING GROUP : II

14.2 ADR (transport by road)

CLASS : 3
 PACKING GROUP : II
 CLASSIFICATION CODE : F1
 DANGER LABEL TANKS : 3
 DANGER LABEL PACKAGES : 3
 PROPER SHIPPING NAME :

Coating solution, Special provision 640D

14.3 RID (transport by rail)

CLASS : 3
 PACKING GROUP : II
 CLASSIFICATION CODE : F1
 DANGER LABEL TANKS : 3
 DANGER LABEL PACKAGES : 3
 PROPER SHIPPING NAME :

Coating solution, Special provision 640D

14.4 ADNR (transport by inland waterways)

CLASS : 3
 PACKING GROUP : II
 CLASSIFICATION CODE : F1
 DANGER LABEL TANKS : 3
 DANGER LABEL PACKAGES : 3

14.5 IMDG (maritime transport)

CLASS : 3
 SUB RISKS : -
 PACKING GROUP : II
 MFAG : -
 EMS : F-E, S-E
 MARINE POLLUTANT : P
 PROPER SHIPPING NAME :

Coating solution, Special provision 640D (heptane and isomers: octane and isomers) MARINE POLLUTANT

14.6 ICAO (air transport)

CLASS : 3
 SUB RISKS : -
 PACKING GROUP : II
 PACKING INSTRUCTIONS PASSENGER AIRCRAFT : 305/Y305
 PACKING INSTRUCTIONS CARGO AIRCRAFT : 307

14.7 Special precautions : none

14.8 Limited quantities (LQ) :

When substances and their packaging meet the conditions established by ADR/RID/ADNR in chapter 3.4, **only** the following prescriptions shall be complied with:
 each package shall display a diamond-shaped figure with the following inscription:
 - 'UN 1139'
 or, in the case of different goods with different identification numbers within a single package:
 - the letters 'LQ'

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15. Regulatory information

15.1 EU Legislation:

Labelling in accordance with EC directives 67/548/EEC, 1999/45/EC and 2006/8/EC



Highly flammable



Harmful



Dangerous for the environment

Contains : octane and isomers; heptane and isomers

R11 : Highly flammable
R20/21 : Harmful by inhalation and in contact with skin
R38 : Irritating to skin
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65 : Harmful: may cause lung damage if swallowed

S36/37 : Wear suitable protective clothing and gloves
S60 : This material and its container must be disposed of as hazardous waste
S61 : Avoid release to the environment. Refer to special instructions/safety data sheets

15.2 National provisions:

the Netherlands:

Waterbezwaarlijkheid: 4

Germany:

WGK : 2 (Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4))

16. Other information

Users are advised that they may have additional disclosure obligations under other national and local laws. Users are advised to ensure that this information is brought to the attention of all employees, agents, and contractors handling this product. Users of Berry Plastics BVBA products should make their own evaluation to determine the suitability of each such product for the specific application and to establish safe handling and installation procedures. Distributors of this product are advised to forward this document, or the information contained herein, to every purchaser of this product.

Berry Plastics BVBA makes no warranties as to the accuracy or completeness of this information and disclaims any liability in connection with its use. Berry Plastics BVBA obligations shall be only as set forth in Berry Plastics BVBA standard terms and conditions of sale for this product. In no case will Berry Plastics BVBA be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of this product.

N.A. = NOT APPLICABLE
N.D. = NOT DETERMINED
(*) = INTERNAL CLASSIFICATION (NFPA)

PBT-substances = persistent, bioaccumulative and toxic substances

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Exposure limits:

TLV	: Threshold Limit Value - ACGIH USA
WEL	: Workplace Exposure Limits - United Kingdom
TRGS 900	: Technische Regel für Gefahrstoffe 900 (Arbeitsplatzgrenzwerte) - Germany
MAK	: Maximale Arbeitsplatzkonzentrationen - Germany
GWBNL	: Grenswaarde voor blootstelling - the Netherlands
GWKNL	: Grenswaarde korte duur - the Netherlands
VME	: Valeurs limites de Moyenne d'Exposition - France
VLE	: Valeurs limites d'Exposition à court terme - France
GWBB	: Grenswaarde beroepsmatige blootstelling - Belgium
GWK	: Grenswaarde kortstondige blootstelling - Belgium
EC	: Indicative occupational exposure limit values

I : Inhalable fraction = **T** : Total dust = **E** : Einatembarer Aerosolanteil
R : Respirable fraction = **A** : Alveolengängiger Aerosolanteil/Alveolar dust
C : Ceiling limit

a:	aerosol	r:	rook/Rauch	(fume)
d:	damp (vapour)	st:	stof/Staub	(dust)
du:	dust	ve:	vezel	(fibre)
fa:	Faser (fibre)	va:	vapour	
fi:	fibre	om:	oil mist	
fu:	fume	on:	olienevel/Ölnebel	(oil mist)
p:	poussière (dust)	part:	particles	

Chronic toxicity:

K : List of the carcinogenic substances and processes - the Netherlands

Full text of any R-phrases referred to under headings 2 and 3:

R10	: Flammable
R11	: Highly flammable
R20	: Harmful by inhalation
R20/21	: Harmful by inhalation and in contact with skin
R23/24/25	: Toxic by inhalation, in contact with skin and if swallowed
R36/37/38	: Irritating to eyes, respiratory system and skin
R38	: Irritating to skin
R39/23/24/25	: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
R48/20	: Harmful: danger of serious damage to health by prolonged exposure through inhalation
R50/53	: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R62	: Possible risk of impaired fertility
R65	: Harmful: may cause lung damage if swallowed
R67	: Vapours may cause drowsiness and dizziness