



Safety Data Sheet 1907/2006/EC - REACH (GB)
QuickSpray Supreme AL Komp. B

Date printed 08.08.2018, Revision 08.08.2018

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

1.1 Product identifier

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

1.2.1 Relevant uses

Amine components
Coating agent

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

VIP Coatings Europe GmbH
Frauenstrasse 31
82216 Maisach / GERMANY
Phone +49 (0)8141 35549 0
Fax +49(0)8141 35549 99
Homepage www.vip-coatings.de
E-mail info@vip-coatings.de

Address enquiries to

Technical information

info@vip-coatings.de

Safety Data Sheet

sdb@chemiebuero.de

1.4 Emergency telephone number

Advisory body

+49 (0)89-19240 (24h) (english)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

Skin Corr. 1C: H314 Causes severe skin burns and eye damage.
Eye Dam. 1: H318 Causes serious eye damage.
Skin Sens. 1: H317 May cause an allergic skin reaction.
Acute Tox. 4: H302 Harmful if swallowed.
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects.




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2.2 Label elements

	The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).	
Hazard pictograms	  	
Signal word	DANGER	
Contains:	Glyceryl-poly(oxypropylene)triamine Poly[oxy(methyl-1,2-ethanediyl)], α-(2-aminomethylethyl)-ω-(2-aminomethylethoxy)- 3-[[3-[[[(2-Cyanoethyl)amino]methyl]-3,5,5-trimethylcyclohexyl]amino]propiononitrile	
Hazard statements	H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H302 Harmful if swallowed. H411 Toxic 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. P273 Avoid release to the environment. P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER / doctor. P391 Collect spillage. P501 Dispose of contents/container in accordance with local/national regulation.	

2.3 Other hazards

Other hazards Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

Product-type:

The product is a mixture.

Range [%]	Substance
40 - 50	3-[[3-[[[(2-Cyanoethyl)amino]methyl]-3,5,5-trimethylcyclohexyl]amino]propiononitrile CAS: 93940-97-7, EINECS/ELINCS: 300-496-1 GHS/CLP: Acute Tox. 4: H302 - Skin Sens. 1: H317 - Aquatic Chronic 3: H412 - Eye Irrit. 2: H319
20 - 30	Poly[oxy(methyl-1,2-ethanediyl)], α-(2-aminomethylethyl)-ω-(2-aminomethylethoxy)- CAS: 9046-10-0 GHS/CLP: Skin Corr. 1C: H314 - Eye Dam. 1: H318 - Aquatic Chronic 2: H411
20 - 30	Glyceryl-poly(oxypropylene)triamine CAS: 64852-22-8, EINECS/ELINCS: Polymer GHS/CLP: Eye Dam. 1: H318 - Skin Irrit. 2: H315

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
 For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information	Remove contaminated soaked clothing immediately and dispose of safely. Place and transport casualty in recovery position.
Inhalation	Consult a doctor immediately. Remove the victim into fresh air and keep him calm. Immediately inhale corticosteroid metered-dose inhaler.
Skin contact	Immediate medical treatment necessary, as untreated burns can result in slow-healing wounds. In case of contact with skin wash off immediately with soap and water.
Eye contact	Consult a doctor immediately. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	Consult a doctor immediately. Rinse out mouth and give plenty of water to drink. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Product is caustic.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Keep under medical supervision for at least 24 hours.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Water spray jet. Dry powder. Alcohol-resistant foam. Carbon dioxide.
Extinguishing media that must not be used	Full water jet

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.
Carbon dioxide (CO₂)
Carbon monoxide (CO)
Nitrogen oxides (NO_x).
Hydrogen cyanide (HCN).
Acrylonitrile

5.3 Advice for firefighters

Use self-contained breathing apparatus.
Collect contaminated firefighting water separately, must not be discharged into the drains.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Wear suitable protective equipment. For personal protection see SECTION 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.
In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, universal absorbent, diatomaceous earth).
Dispose of absorbed material in accordance within the regulations.
Clean contaminated areas afterwards thoroughly.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.
Provide suitable vacuuming at the processing area.
Avoid contact with eyes and skin. Use personal protective equipment.
Place the container in an upright position and protect it against falling over.
Open and handle container with care.

Keep away from open flames, hot surfaces and sources of ignition.
Take precautionary measures against static discharges.

Do not eat, drink or smoke when using this product.
Remove contaminated soaked clothing immediately and dispose of safely.
Take off contaminated clothing and wash before reuse.
Use barrier skin cream.
Wash face and/or hands before break and end of work.
It is recommended to preview eye-wash bottle and showers.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Prevent penetration into the ground.
Do not store together with acids.
Keep container tightly closed.
Keep container in a well-ventilated place.
Keep in a cool place.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

not applicable

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8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
Eye protection	Tightly fitting goggles.
Hand protection	0,4 mm, Nitrile rubber, >480 min (EN 374-1/-2/-3). 0,5 mm, Chloroprene, >480 min (EN 374-1/-2/-3). 0,7 mm, >480 min, PVC (EN 374-1/-2/-3).
Skin protection	Protective clothing.
Other	Do not breathe vapour/spray. Avoid contact with eyes and skin. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
Respiratory protection	If ventilation is insufficient, wear respiratory protection. Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)
Thermal hazards	not applicable
Delimitation and monitoring of the environmental exposition	Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	Viscous liquid
Color	various
Odor	amine-like
Odour threshold	No information available.
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	No information available.
Flash point [°C]	No information available.
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	No information available.
Density [g/ml]	0,98 - 1,02 (20 °C)
Bulk density [kg/m³]	not applicable
Solubility in water	immiscible
Partition coefficient [n-octanol/water]	No information available.
Viscosity	450 - 850 mPas (25 °C)
Relative vapour density determined in air	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Autoignition temperature [°C]	not self-igniting
Decomposition temperature [°C]	No information available.

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under recommended storage conditions.
Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Exothermic reaction with:
Acids

10.4 Conditions to avoid

To avoid thermal decomposition, do not overheat.

10.5 Incompatible materials

Acids

10.6 Hazardous decomposition products

No dangerous reactions known if used as directed.
In the event of fire: See SECTION 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product
ATE-mix, oral, > 500 - < 2000 mg/kg.
Substance
Glyceryl-poly(oxypropylene)triamine, CAS: 64852-22-8
LD50, dermal, Rat: > 2000 mg/kg (Lit.).
3-[[[3-[[[(2-Cyanoethyl)amino]methyl]-3,5,5-trimethylcyclohexyl]amino]propionitrile, CAS: 90530-15-7
LD50, oral, Rat: > 500 - < 2000 mg/kg (OECD 423).
Poly[oxy(methyl-1,2-ethanediyl)], α -(2-aminomethylethyl)- ω -(2-aminomethylethoxy)-, CAS: 9046-10-0
LD50, dermal, Rabbit: 2980 mg/kg.
LD50, oral, Rat: 2885 mg/kg.
LC0, inhalative, Rat: > 0,74 mg/l/8h (IRT).

Serious eye damage/irritation	Risk of serious damage to eyes. Calculation method
Skin corrosion/irritation	Product is caustic. Calculation method
Respiratory or skin sensitisation	May cause an allergic skin reaction. Calculation method
Specific target organ toxicity — single exposure	Based on the available information, the classification criteria are not fulfilled.
Specific target organ toxicity — repeated exposure	Based on the available information, the classification criteria are not fulfilled.
Mutagenicity	Based on the available information, the classification criteria are not fulfilled.
Reproduction toxicity	Based on the available information, the classification criteria are not fulfilled.
Carcinogenicity	Based on the available information, the classification criteria are not fulfilled.
Aspiration hazard	Based on the available information, the classification criteria are not fulfilled.
General remarks	

Toxicological data of complete product are not available.
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 12: Ecological information

12.1 Toxicity

Substance
Glyceryl-poly(oxypropylene)triamine, CAS: 64852-22-8
LC50, (96h), Oncorhynchus mykiss: > 100 mg/l (OECD 203).
EC20, (0,5h), Activated sludge: ca. 130 mg/l (OECD 209).
3-[[3-[[[(2-Cyanoethyl)amino]methyl]-3,5,5-trimethylcyclohexyl]amino]propionitrile, CAS: 90530-15-7
LC50, (96h), fish: 65,6 mg/l.
EC50, (72h), Desmodesmus subspicatus: > 100 mg/l (OECD 201).
EC50, (48h), Daphnia magna: 51,9 mg/l (OECD 202).
EC10, (72h), Desmodesmus subspicatus: 37 mg/l (OECD 201).
EC20, (3h), Activated sludge: ca. 450 mg/l (OECD 209).
Poly[oxy(methyl-1,2-ethanediyl)], α-(2-aminomethylethyl)-ω-(2-aminomethylethoxy)-, CAS: 9046-10-0
LC50, (96h), Oncorhynchus mykiss: > 15 mg/l (OECD 203).
LC50, (96h), fish: 772,14 mg/l (OECD 203).
EC50, (72h), Skeletonema costatum: 141,72 mg/l (ISO/DIS 10253).
EC50, (48h), Daphnia magna: 80 mg/l (OECD 202).
EC50, (48h), Daphnia sp.: 418,34 mg/l.
EC50, (72h), Pseudokirchneriella subcapitata: 15 mg/l (OECD 201).
NOEC, (72h), Skeletonema costatum: 100 mg/l (ISO/DIS 10253).
NOEC, (72h), Pseudokirchneriella subcapitata: 0,32 mg/l (OECD 201).
EC20, (3h), Activated sludge: 380 mg/l (OECD 209).

12.2 Persistence and degradability

Behaviour in environment compartments	No information available.
Behaviour in sewage plant	No information available.
Biological degradability	CAS 93940-97-7 / CAS 64852-22-8 / CAS 9046-10-0: The product is not readily biodegradable.

12.3 Bioaccumulative potential

CAS 93940-97-7: log Kow=1,86 (25°C)
 CAS 9046-10-0: log Kow>6

12.4 Mobility in soil

CAS 9046-10-0: Binding to the solid soil phase is not to be expected.
 CAS 93940-97-7: Binding to the solid soil phase is possible.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

Ecological data of complete product are not available.
 The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.
 Do not discharge product unmonitored into the environment or into the drainage.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Coordinate disposal with the disposal contractor/authorities if necessary.

Waste no. (recommended)

070708*
070108*

Contaminated packaging

Emptied and rinsed clean packing can be reused.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended)

150110*

SECTION 14: Transport information

14.1 UN number

Transport by land according to
ADR/RID 2735

Inland navigation (ADN) 2735

Marine transport in accordance with
IMDG 2735

Air transport in accordance with IATA 2735

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14.2 UN proper shipping name

Transport by land according to ADR/RID Amines, liquid, corrosive, n.o.s. (Polyetherdiamine)

- Classification Code C7

- Label  

- ADR LQ 5 l

- ADR 1.1.3.6 (8.6) Transport category (tunnel restriction code) 3 (E)

Inland navigation (ADN) Amines, liquid, corrosive, n.o.s. (Polyetherdiamine)

- Classification Code C7

- Label  

Marine transport in accordance with IMDG Amines, liquid, corrosive, n.o.s. (Polyetherdiamine)

- EMS F-A, S-B

- Label  

- IMDG LQ 5 l

Air transport in accordance with IATA Amines, liquid, corrosive, n.o.s. (Polyetherdiamine)

- Label 

14.3 Transport hazard class(es)

Transport by land according to ADR/RID 8

Inland navigation (ADN) 8

Marine transport in accordance with IMDG 8

Air transport in accordance with IATA 8

14.4 Packing group

Transport by land according to ADR/RID III

Inland navigation (ADN) III

Marine transport in accordance with IMDG III

Air transport in accordance with IATA III

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14.5 Environmental hazards

Transport by land according to ADR/RID	yes
Inland navigation (ADN)	yes
Marine transport in accordance with IMDG	MARINE POLLUTANT
Air transport in accordance with IATA	yes

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

No information available.

SECTION 15: Regulatory information

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

EEC-REGULATIONS	1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014
TRANSPORT-REGULATIONS	DOT-Classification, ADR (2017); IMDG-Code (2017, 38. Amdt.); IATA-DGR (2018).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011).
- Observe employment restrictions for people	Observe employment restrictions for young people. Observe employment restrictions for mothers-to-be and nursing mothers. SEVESO III (Directive 2012/18/EU), Hazard categories in accordance with Regulation (EC) No 1272/2008: E2 ENVIRONMENTAL HAZARDS
- VOC (2010/75/CE)	not applicable

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

16.1 Hazard statements (SECTION 03)

H411 Toxic to aquatic life with long lasting effects.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.
H317 May cause an allergic skin reaction.
H302 Harmful if swallowed.

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform Chemical Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV@TWA = Threshold limit value – time-weighted average
TLV@STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Classification procedure

Skin Corr. 1C: H314 Causes severe skin burns and eye damage. (Calculation method)
Eye Dam. 1: H318 Causes serious eye damage. (Calculation method)
Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)
Acute Tox. 4: H302 Harmful if swallowed. (Calculation method)
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects. (Calculation method)

Modified position

none



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