



QuickSpray Pigment

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

1.1 Product identifier

QuickSpray Pigment

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

1.2.1 Relevant uses

Pigment for paints

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company Voelkel Industrie Produkte GmbH
Frauenstrasse 31
82216 Maisach / GERMANY
Phone +49 (0) 8141 35 549 0
Fax +49 (0) 8141 35 549 99
Homepage www.vip-gmbh.com
E-mail info@vip-gmbh.com

Address enquiries to

Technical information info@vip-gmbh.com

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

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

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

2.1.2 Classification according to Directive 67/548/EEC or 1999/45/EC

Xn, Harmful - R 22: Harmful if swallowed.
C, Corrosive - R 34: Causes burns.
N, Dangerous for the environment - R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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2.2 Label elements

The product is classified and required to be labelled in accordance with EC-Directives

Labelling according to Regulation (EC) 1272/2008

Hazard pictograms



Signal word

DANGER

Contains:

Polyoxypropylenediamine

Hazard statements

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe vapours / spray.
P273 Avoid release to the environment.
P280 Wear protective gloves / protective clothing / eye protection / face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / 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.
P501 Dispose of contents / container to in accordance with local / regional / national / international regulation.

2.3 Other hazards

Human health dangers

Corrosive gases/vapours.

Environmental hazards

The product/the substance has the Water Hazard Class 2.

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	Polyoxypropylenediamine
	CAS: 9046-10-0, EINECS/ELINCS: Polymer
	GHS/CLP: Acute Tox. 4: H302 - Skin Corr. 1B: H314 - Eye Dam. 1: H318 - Aquatic Chronic 3: H412
	EEC: C, R 22-34-52/53
3 - < 10	Alkylammonium salt
	GHS/CLP: Skin Irrit. 2: H315 - Eye Irrit. 2: H319 - Aquatic Acute 1: H400 - Aquatic Chronic 1: H410
	EEC: Xi-N, R 36/38-50/53

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 and R-phrases: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Change soaked clothing immediately.
Symptoms of poisoning may not occur for many hours, therefore keep under medical supervision for at least 48 hours.

Inhalation

Ensure supply of fresh air.
Remove the victim into fresh air and keep him calm.
In the event of symptoms seek for medical treatment.

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

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Consult a doctor immediately.

Ingestion

Consult a doctor immediately.
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.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

foam, dry powder, water spray jet, 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 monoxide (CO)
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x).
Sulphur dioxide (SO₂).

5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.
Use self-contained breathing apparatus.

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.
Use personal protective equipment.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.
In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

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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.

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.
Avoid spilling in enclosed areas.
Avoid formation of aerosols.

The product is combustible.
Hot product gives off flammable vapours.
Vapours can form an explosive mixture with air.
Take precautionary measures against static discharges.
Use explosion-proofed equipment/fittings and non-sparkling tools.
Ignitable mixtures can be formed in the empty container.

Remove soiled or soaked clothing immediately.
Do not eat, drink, smoke or take drugs at work.
Showers and eye wash stations should be provided.
Wash hands before breaks and after work.
Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Prevent penetration into the ground.
Provide floor with bunding.

Do not store together with oxidizing agents.

Keep container tightly closed.
Keep container in a well-ventilated place.
Keep in a cool place. Store in a dry place.
Protect from heat/overheating and from sun.

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)

Range [%]	Substance
	Barium sulfate
	CAS: 7727-43-7, EINECS/ELINCS: 231-784-4
	Long-term exposure: 10 mg/m ³ , inhalable dust; respirable dust: 4 mg/m ³

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8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation.
Eye protection	safety glasses
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. PVC (EN 374). Butyl rubber, >480 min (EN 374).
Skin protection	Impermeable protective clothing.
Other	Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier. Do not inhale gases/vapours. Avoid contact with eyes and skin.
Respiratory protection	If ventilation insufficient, wear respiratory protection. Short term: filter apparatus, combination filter A-P2.
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	pasty
Color	various
Odor	characteristic
Odour threshold	not determined
pH-value	not determined
pH-value [1%]	not determined
Boiling point [°C]	not determined
Flash point [°C]	> 200
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidizing properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	1,2 - 2,0 (20 °C / 68,0 °F)
Bulk density [kg/m³]	not applicable
Solubility in water	immiscible
Partition coefficient [n-octanol/water]	not determined
Viscosity	not determined
Relative vapour density determined in air	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Autoignition temperature [°C]	not self-igniting
Decomposition temperature [°C]	not determined

9.2 Other information

No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Evolution of flammable gases/vapours.

Uncleaned empty vessels may contain product gases which can form explosive mixtures with air.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.

10.4 Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

10.5 Incompatible materials

See SECTION 10.3.

10.6 Hazardous decomposition products

No dangerous reactions known if used as directed.

In the case of heating following (decomposition) products may occur:

Oxide of carbon (COx)

Nitrous oxides (NOx).

Sulphur dioxide (SO₂).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product
ATE-mix, oral, > 300 - 2000 mg/kg.

Range [%]	Substance
40 - 50	Polyoxypropylenediamine, CAS: 9046-10-0
	LD50, oral, Rat: 475 mg/kg.
	LD50, dermal, Rabbit: 2090 mg/kg.
	NOAEL, dermal, 40 mg/kg/d (subchronic).
	NOAEL, dermal, 1000 mg/kg/d (subacute).
	NOAEL, inhalative, 790 ppm (subacute).

Serious eye damage/irritation	Product is caustic.
Skin corrosion/irritation	Product is caustic.
Respiratory or skin sensitisation	not determined
Specific target organ toxicity — single exposure	not determined
Specific target organ toxicity — repeated exposure	not determined
Mutagenicity	not determined
Reproduction toxicity	not determined
Carcinogenicity	not determined
General remarks	If swallowed - risk of perforation! 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

Range [%]	Substance
40 - 50	Polyoxypropylenediamine, CAS: 9046-10-0
	LC50, (96h), fish: > 100 mg/l.
	EC50, (48h), Daphnia magna: 15 mg/l.
	IC50, (72h), Algae: 135 mg/l.

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	Obtain approval of the relevant authorities before discharging into sewage treatment plants.
Biological degradability	< 60%, 28d (CAS 9046-10-0)(Lit.) - The product is not readily biodegradable.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

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12.5 Results of PBT and vPvB assessment

not applicable

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

Dispose of as hazardous waste.
For recycling, consult manufacturer.

Waste no. (recommended)

080111*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended)

150110*

SECTION 14: Transport information

14.1 UN number

See SECTION 14.2 in accordance with UN shipping name

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14.2 UN proper shipping name

Transport by land according to ADR/RID

UN 2735 Amines, liquid, corrosive, n.o.s. (Polyoxypropylendiamine) (ENVIRONMENTALLY HAZARDOUS) 8 III

- Classification Code

C7

- Label



- ADR LQ

5 I

- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 3 (E)

Inland navigation (ADN)

UN 2735 Amines, liquid, corrosive, n.o.s. (Polyoxypropylendiamine) (ENVIRONMENTALLY HAZARDOUS) 8 III

- Classification Code

C7

- Label



Marine transport in accordance with IMDG

UN 2735 Amines, liquid, corrosive, n.o.s. (Polyoxypropylendiamine, Alkylammonium salt) 8 III MARINE POLLUTANT

- EMS

F-A, S-B

- Label



- IMDG LQ

5 I

Air transport in accordance with IATA UN 2735 Amines, liquid, corrosive, n.o.s. (Polyoxypropylendiamine) 8 III

- Label



14.3 Transport hazard class(es)

See SECTION 14.2 in accordance with UN shipping name

14.4 Packing group

See SECTION 14.2 in accordance with UN shipping name

14.5 Environmental hazards

See SECTION 14.2 in accordance with UN shipping name

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 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

1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC

TRANSPORT-REGULATIONS

DOT-Classification, ADR (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2015).

NATIONAL REGULATIONS (GB):

EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4

- Observe employment restrictions for people

Observe employment restrictions for young people.

- VOC (1999/13/CE)

ca. 1%

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15.2 Chemical safety assessment

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

SECTION 16: Other information

16.1 R-phrases (SECTION 3)

R 36/38: Irritating to eyes and skin.
R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 22: Harmful if swallowed.
R 34: Causes burns.
R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

16.2 Hazard statements (SECTION 3)

H412 Harmful to aquatic life with long lasting effects.
H318 Causes serious eye damage.
H314 Causes severe skin burns and eye damage.
H302 Harmful if swallowed.
H410 Very toxic to aquatic life with long lasting effects.
H400 Very toxic to aquatic life.
H319 Causes serious eye irritation.
H315 Causes skin irritation.

16.3 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
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
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
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

16.4 Other information

Classification procedure

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

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Modified position

SECTION 3 been added: Alkylammonium salt

SECTION 2 been added: P501 Dispose of contents / container to in accordance with local / regional / national / international regulation.

SECTION 2 been added: Dangerous for the environment

SECTION 2 deleted: R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 2 been added: R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 2 deleted: H412 Harmful to aquatic life with long lasting effects.

SECTION 2 deleted: Aquatic Chronic 3

SECTION 2 been added: H318 Causes serious eye damage.

SECTION 2 been added: Aquatic Chronic 2

SECTION 2 been added: Umwelt

SECTION 2 been added: H411 Toxic to aquatic life with long lasting effects.

SECTION 2 deleted: Classification according to conversion table Annex VII 1272/2008/EC

SECTION 2 been added: P260 Do not breathe vapours / spray.

SECTION 2 been added: P280 Wear protective gloves / protective clothing / eye protection / face protection.

SECTION 2 been added: P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.

SECTION 2 been added: P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 2 been added: P310 Immediately call a POISON CENTER / doctor.

SECTION 2 been added: P273 Avoid release to the environment.

SECTION 2 been added: Eye Dam. 1

SECTION 4 been added: Product is caustic.

SECTION 4 been added: Symptoms of poisoning may not occur for many hours, therefore keep under medical supervision for at least 48 hours.

SECTION 4 been added: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 4 been added: Consult a doctor immediately.

SECTION 6 been added: Pick up with absorbent material (e.g. sand, universal absorbent, diatomaceous earth).

SECTION 7 been added: Ignitable mixtures can be formed in the empty container.

SECTION 7 been added: Avoid formation of aerosols.

SECTION 7 been added: Keep in a cool place. Store in a dry place.

SECTION 7 been added: Use explosion-proofed equipment/fittings and non-sparking tools.

SECTION 7 been added: Take precautionary measures against static discharges.

SECTION 7 been added: Vapours can form an explosive mixture with air.

SECTION 7 been added: Hot product gives off flammable vapours.

SECTION 7 been added: Provide floor with bunding.

SECTION 8 been added: Short term: filter apparatus, combination filter A-P2.

SECTION 8 been added: Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9 been added: not self-igniting

SECTION 9 been added: characteristic

SECTION 10 been added: Keep away from open flames, hot surfaces and sources of ignition.

SECTION 10 been added: Evolution of flammable gases/vapours.

SECTION 10 been added: Uncleaned empty vessels may contain product gases which can form explosive mixtures with air.

SECTION 10 been added: No dangerous reactions known if used as directed.

SECTION 11 been added: If swallowed - risk of perforation!

SECTION 11 deleted: Liver and Kidney damage is possible.

SECTION 11 deleted: Disturbances of the central nervous system.

SECTION 11 deleted: May cause irritation of respiratory organs.

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SECTION 11 been added: 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 11 deleted: The product was classified on the basis of the calculation procedure of the preparation directive.

SECTION 11 deleted: Irritates the mucous membrane.

SECTION 12 deleted: The product was classified on the basis of the calculation procedure of the preparation directive.

SECTION 12 been added: Obtain approval of the relevant authorities before discharging into sewage treatment plants.

SECTION 12 been added: The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 12 been added: Do not discharge product unmonitored into the environment or into the drainage.

SECTION 12 deleted: not determined

SECTION 13 been added:

SECTION 14 deleted: Amines, liquid, corrosive, n.o.s. (Polyoxypropylendiamine)

SECTION 14 been added: Amines, liquid, corrosive, n.o.s. (Polyoxypropylendiamine)

SECTION 14 deleted: Amines, liquid, corrosive, n.o.s. (Polyoxypropylendiamine)

SECTION 14 been added: Amines, liquid, corrosive, n.o.s. (Polyoxypropylendiamine)

SECTION 14 deleted: Amines, liquid, corrosive, n.o.s. (Polyoxypropylendiamine)

SECTION 14 been added: Amines, liquid, corrosive, n.o.s. (Polyoxypropylendiamine, Alkylammonium salt)

SECTION 15 been added: yes

SECTION 16 been added: Observe employment restrictions for young people.

SECTION 16 been added: Calculation method



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