

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

Printing date 05.01.2017

Version number 2

Revision: 05.01.2017

SECTION 1: Identification of the substance/mixture and of the company/undertaking*** 1.1 Product identifier***** Trade name QP PART C***** Article number:** 0022624783*** 1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

*** Application of the substance / the mixture** Coating*** 1.3 Details of the supplier of the safety data sheet***** Manufacturer/Supplier:**

Remmers GmbH
Postfach 1255
D-49624 Lönningen / Germany
Tel.: +49(0)5432/83-0
Fax: +49(0)5432/3985

Remmers (UK) Limited
Unit B1 The Fleming Centre
West Sussex RH10 9NN
fon +44 (0) 1293 594 010
fax +44 (0) 1293 594 037

*** Informing department:**

Product Safety department: Tel.: Steve Dunn Tel.: +44 (0) 1293 594 010
E-Mail: sales@remmers.co.uk

*** 1.4 Emergency telephone number:**

during working hours:

U.K.: Tel.: +44 (0) 1293 594 010

sales@remmers.co.uk

Head Office Germany: Tel.: +49 (0)5432 83 187

info@remmers.de

after working hours: Tel.: +49 (0)171 21 34 091

24h-Transport Emergency Contact Phone Number:

within USA and Canada: 1-800-424-9300

outside USA and Canada: 001-703-527-3887

SECTION 2: Hazards identification*** 2.1 Classification of the substance or mixture***** Classification according to Regulation (EC) No 1272/2008**

Skin Corr. 1A 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.

*** 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**

GHS05 GHS07

*** Signal word** Danger*** Hazard-determining components of labelling:**

EMMA-Amino-Kat
butan-1-ol

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 05.01.2017

Version number 2

Revision: 05.01.2017

Trade name **QP PART C**

(Contd. of page 1)

butanol

triethylenediamine

*** Hazard statements**

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

*** Precautionary statements**

P260 Do not breathe 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.

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.

P405 Store locked up.

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

*** 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 the substances listed below with harmless additions.*** Dangerous components:**

	EMMA-Amino-Kat	60-80%
	Skin Corr. 1A, H314; Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 71-36-3	butan-1-ol	2.5-5%
EINECS: 200-751-6	Flam. Liq. 3, H226; Eye Dam. 1, H318; Acute Tox. 4, H302;	
Index number: 603-004-00-6	Skin Irrit. 2, H315; STOT SE 3, H335-H336	
Reg.nr.: 01-2119484630-38-XXXX		
CAS: 78-83-1	butanol	2.5-5%
EINECS: 201-148-0	Flam. Liq. 3, H226; Eye Dam. 1, H318; Skin Irrit. 2, H315;	
Index number: 603-108-00-1	STOT SE 3, H335-H336	
Reg.nr.: 01-2119484609-23-XXXX		
CAS: 280-57-9	triethylenediamine	1-2.5%
EINECS: 205-999-9	Flam. Sol. 1, H228; Eye Dam. 1, H318; Acute Tox. 4, H302;	
	Skin Irrit. 2, H315	

*** Additional information** For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures***** 4.1 Description of first aid measures***** General information**

If symptoms occur or in case of doubt, seek medical attention. In case of unconsciousness, do not administer anything orally.

Immediately remove any clothing soiled by the product.

*** After inhalation**

Supply fresh air and call for doctor for safety reasons.

In case of unconsciousness bring patient into stable side position for transport.

*** After skin contact** Wash immediately with water and soap and rinse thoroughly.*** After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.*** After swallowing** Drink plenty of water and provide fresh air. Call a doctor immediately.*** 4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 05.01.2017

Version number 2

Revision: 05.01.2017

Trade name **QP PART C**

(Contd. of page 2)

*** 4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures*** 5.1 Extinguishing media***** Suitable extinguishing agents**

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
Use fire fighting measures that suit the environment.

*** 5.2 Special hazards arising from the substance or mixture**

Formation of poisonous gases during heating or in fires.
Formation of toxic gases is possible during heating or in case of fire.

*** 5.3 Advice for firefighters***** Protective equipment:**

Put on breathing apparatus.
Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures*** 6.1 Personal precautions, protective equipment and emergency procedures**

Put on breathing apparatus.
Wear protective equipment. Keep unprotected persons away.

*** 6.2 Environmental precautions:** No special measures required.*** 6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.

Dispose of contaminated material as waste according to item 13.

Ensure adequate 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 information on disposal.

SECTION 7: Handling and storage*** 7.1 Precautions for safe handling**

Use only in well ventilated areas.
Ensure good ventilation/exhaust in workplaces.
Avoid the formation of aerosols.

*** Information about protection against explosions and fires:** Keep breathing equipment ready.*** 7.2 Conditions for safe storage, including any incompatibilities***** Storage***** Requirements to be met by storerooms and containers:** No special requirements.*** Information on storage in a common storage facility:** Store away from food.*** Further information about storage conditions:**

Protect from frost.
Store dry.
Store cool.
Keep container tightly closed.

*** 7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection***** Additional information about design of technical systems:** No further data; see item 7.*** 8.1 Control parameters***** Components with limit values that require monitoring at the workplace:****CAS: 71-36-3 butan-1-ol**WEL Short-term value: 154 mg/m³, 50 ppm

Sk

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 05.01.2017

Version number 2

Revision: 05.01.2017

Trade name **QP PART C**

(Contd. of page 3)

CAS: 78-83-1 butanolWEL Short-term value: 231 mg/m³, 75 ppmLong-term value: 154 mg/m³, 50 ppm* **Additional information:** The lists that were valid during compilation were used as a basis.* **8.2 Exposure controls*** **Personal protective equipment*** **General protective and hygienic measures**

Do not eat, drink or smoke while working.

Use skin protection cream for preventive skin protection.

Keep away from food, beverages and animal feed.

Immediately remove soiled, saturated clothing.

Wash hands before pauses and after work.

Avoid contact with eyes and skin.

* **Respiratory equipment:**

Only during spraying without adequate removal by suction.

Filter A/P2.

In case of brief exposure or low pollution load, use respiratory protection equipment with filter. In case of intensive or longer exposure, use self-contained respiratory protection equipment.

* **Protection of hands:**

Impervious gloves

Long cuffed gloves

Protective gloves.

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

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

* **Material of gloves**

Nitrile rubber, NBR

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**

Break through time: max. 240 min (DIN EN 374).

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

* **Eye protection:** Tightly sealed safety glasses.* **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

* **9.1 Information on basic physical and chemical properties*** **General Information*** **Appearance:**

Form: Not determined.

Colour: Not determined.

* **Odour:** Characteristic* **Odour threshold:** Not determined.* **pH-value:** Not determined.* **Change in condition**

Melting point/freezing point: Not determined

Initial boiling point and boiling range: Not determined

* **Flash point:** 149 °C* **Inflammability (solid, gaseous)** Not applicable.* **Ignition temperature:** 340 °C* **Decomposition temperature:** Not determined.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 05.01.2017

Version number 2

Revision: 05.01.2017

Trade name **QP PART C**

(Contd. of page 4)

* Self-inflammability:	Product is not self-igniting.
* Explosive properties:	Product is not explosive.
* Explosive Limits:	
Lower:	1.5 % (V)
Upper:	12 % (V)
* Vapour pressure:	12 hPa
* Density at 20 °C	1 g/cm ³
* Relative density	Not determined.
* Vapour density	Not determined.
* Evaporation rate	Not determined.
* Solubility in / Miscibility with Water:	Not miscible or difficult to mix
* Distribution coefficient (n-octanol/water):	Not determined.
* Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
* Solvent separation test	< 3 %
* Organic solvents:	9.9 %
* VOC EU	99.0 g/l
* 9.2 Other information	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 handled and stored according to specifications.
- * **10.3 Possibility of hazardous reactions** No dangerous reactions known
- * **10.4 Conditions to avoid** No further relevant information available.
- * **10.5 Incompatible materials:** No further relevant information available.
- * **10.6 Hazardous decomposition products:**
None if used properly.
None if stored properly.

SECTION 11: Toxicological information

- * **11.1 Information on toxicological effects**
- * **Acute toxicity:** Based on available data, the classification criteria are not met.
- * **LD/LC50 values that are relevant for classification:**

QP CAT
Oral LD50 14283 mg/kg (rat)
- * **Primary irritant effect:**
- * **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
- * **Serious eye damage/irritation**
Causes serious eye damage.
- * **Sensitisation:**
May cause an allergic skin reaction.
- * **CMR effects (carcinogenicity, 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.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 05.01.2017

Version number 2

Revision: 05.01.2017

Trade name **QP PART C**

(Contd. of page 5)

- * **STOT-single exposure** Based on available data, the classification criteria are not met.
- * **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:** No further relevant information available.
- * **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:**
Do not allow product to reach ground water, bodies of water or sewage system.
Do not allow undiluted or non-neutralised product to reach the sewage system or receiving waters.
- * **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**
Do not dispose of together with household garbage. Do not allow product to reach sewage system.
Not hardened material must be disposed of as hazardous waste according to official regulations.
Hardened product remains may be disposed of as building rubble or put into household garbage.
- * **Uncleaned packaging:**
- * **Recommendation:**
Empty contaminated packaging thoroughly. They can be recycled after thorough cleaning.
Disposal must be made according to official regulations.

SECTION 14: Transport information

- * **14.1 UN-Number**
 - * **ADR, IMDG, IATA** UN2735
 - * **14.2 UN proper shipping name**
 - * **ADR** 2735 AMINES, LIQUID, CORROSIVE, N.O.S.
(EMMA-Amino-Kat)
 - * **IMDG, IATA** AMINES, LIQUID, CORROSIVE, N.O.S. (EMMA-Amino-Kat)
 - * **14.3 Transport hazard class(es)**
 - * **ADR**
- 
- * **Class** 8 (C7) Corrosive substances.
 - * **Label** 8

* **IMDG, IATA**

- * **Class** 8 Corrosive substances.
- * **Label** 8
- * **14.4 Packing group**
- * **ADR, IMDG, IATA** II

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 05.01.2017

Version number 2

Revision: 05.01.2017

Trade name **QP PART C**

(Contd. of page 6)

* 14.5 Environmental hazards:	
* Marine pollutant:	No
* 14.6 Special precautions for user	Warning: Corrosive substances.
* Kemler Number:	80
* EMS Number:	F-A,S-B
* Segregation groups	Alkalis
* Stowage Category	A
* Segregation Code	SG35 Stow "separated from" acids.
* 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.

* **Transport/Additional information:**

* ADR	
* Limited quantities (LQ)	1L
* Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
* Transport category	2
* Tunnel restriction code	E

* **IMDG**

* Limited quantities (LQ)	1L
* 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 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (EMMA-AMINO-KAT), 8, II

SECTION 15: Regulatory information

* **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture*** **Directive 2012/18/EU*** **Named dangerous substances - ANNEX I** None of the ingredients is listed.* **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3* **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Delivery specifications are found in the respective Technical Information Sheets.

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.

* **Relevant phrases**

H226 Flammable liquid and vapour.

H228 Flammable solid.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

* **Department issuing data specification sheet:** Product Safety department / EHS* **Abbreviations and acronyms:**

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

(Contd. on page 8)

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

Printing date 05.01.2017

Version number 2

Revision: 05.01.2017

Trade name QP PART C

(Contd. of page 7)

ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
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
Flam. Sol. 1: Flammable solids – Category 1
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3