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

1.1 Product identifier

2-K-Kleber 670, Komponente B

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

1.2.1 Relevant uses

Adhesive

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

Ramsauer GmbH & Co KG
Alte Bundesstraße 147
5350 Strobl / Wolfgangsee / AUSTRIA
Phone +43 (0)6135 8205 0
Fax +43 (0)6135 8205-250
Homepage www.ramsauer.eu
E-mail office@ramsauer.eu

Address enquiries to

Technical information office@ramsauer.eu

Safety Data Sheet sdb@chemiebuero.de (No dispatch of safety data sheets)

Safety data sheets are available from the supplier.

1.4 Emergency telephone number

Advisory body +43 (0) 1 406 43 43 (24h)

SECTION 2: Hazards identification

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

Eye Dam. 1: H318 Causes serious eye damage.
Skin Irrit. 2: H315 Causes skin irritation.
Skin Sens. 1: H317 May cause an allergic skin reaction.

2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

Hazard pictograms

Signal word DANGER

Contains: N-[3-(triethoxysilyl)propyl]ethylenediamine

3-Aminopropyltriethoxysilane

Hazard statements

H318 Causes serious eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

Precautionary statements

P280 Wear protective gloves / eye protection.
P333+P313 If skin irritation or rash occurs: Get medical advice / attention.
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 in accordance with local/national regulation.

2.3 Other hazards

Human health dangers Contact with moisture liberates Ethanol.

Environmental hazards Does not contain any PBT or vPvB substances.
Contains no ingredients with endocrine-disrupting properties.

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

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

The product is a mixture.

Range [%]	Substance
15 - <20	Tetraethyl silicate
	CAS: 78-10-4, EINECS/ELINCS: 201-083-8, EU-INDEX: 014-005-00-0, Reg-No.: 01-2119496195-28-XXXX
	GHS/CLP: Flam. Liq. 3: H226 - Acute Tox. 4: H332 - Eye Irrit. 2: H319 - STOT SE 3: H335
5 - <10	N-[3-(triethoxysilyl)propyl]ethylenediamine
	CAS: 5089-72-5, EINECS/ELINCS: 225-806-1
	GHS/CLP: Skin Irrit. 2: H315 - Eye Dam. 1: H318 - Skin Sens. 1: H317 - Aquatic Chronic 3: H412
5 - <10	1,3,5-Tris[3-(trimethoxysilyl)propyl]-1,3,5-triazine-2,4,6(1H,3H,5H)-trione
	CAS: 26115-70-8, EINECS/ELINCS: 247-465-8, Reg-No.: 01-2120807606-55-XXXX
	GHS/CLP: Acute Tox. 4: H302
5 - <10	Triethoxyoctylsilane
	CAS: 2943-75-1, EINECS/ELINCS: 220-941-2
	GHS/CLP: Skin Irrit. 2: H315
3 - <5	3-Aminopropyltriethoxysilane
	CAS: 919-30-2, EINECS/ELINCS: 213-048-4, EU-INDEX: 612-108-00-0, Reg-No.: 01-2119480479-24-XXXX
	GHS/CLP: Acute Tox. 4: H302 - Skin Corr. 1B: H314 - Eye Dam. 1: H318 - Skin Sens. 1: H317

Comment on component parts 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.

Inhalation Remove the victim into fresh air and keep him calm.
Get medical advice.

Skin contact In case of contact with skin wash off immediately with soap and water.
Consult a doctor if skin irritation persists.

Eye contact In case of contact with eyes rinse thoroughly and immediately with plenty of water and seek medical advice.
Shield unaffected eye.

Ingestion Consult a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Headache
Allergic reactions
Risk of serious damage to eyes.

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

Dry powder.
Water spray jet.
Carbon dioxide.
Foam.

Extinguishing media that must not be used

Full water jet.

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released:
Carbon monoxide (CO)
Nitrogen oxides (NOx).

5.3 Advice for firefighters

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
High risk of slipping due to leakage/spillage of product.
Keep away from all sources of ignition.
Wear suitable protective equipment. For personal protection see SECTION 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically.
Take up residues with absorbent material (e.g. sand, sawdust, general purpose binder, 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.

Keep away from all sources of ignition.
Vapours can form an explosive mixture with air.

Wash hands before breaks and after work.
Use barrier skin cream.
Do not eat, drink, smoke or take drugs at work.
Remove soiled or soaked clothing immediately.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Prevent penetration into the ground.

Do not store together with food and animal food/diet.

Keep container tightly closed.
Keep container in a well-ventilated place.
Keep in a cool place. Store in a dry 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 EU (2004/37/EG)

Substance / EC LIMIT VALUES
Tetraethyl silicate
CAS: 78-10-4, EINECS/ELINCS: 201-083-8, EU-INDEX: 014-005-00-0, Reg-No.: 01-2119496195-28-XXXX
Eight hours: 5 ppm, 44 mg/m³
Methanol
CAS: 67-56-1, EINECS/ELINCS: 200-659-6, EU-INDEX: 603-001-00-X, Reg-No.: 01-2119433307-44-XXXX
Eight hours: 200 ppm, 260 mg/m³, H

DNEL

Substance
Tetraethyl silicate, CAS: 78-10-4
Industrial, inhalative, Acute - systemic effects, 85 mg/m³
Industrial, inhalative, Acute - local effects, 85 mg/m³
Industrial, dermal, Long-term - systemic effects, 12.1 mg/kg bw/d
Industrial, inhalative, Long-term - local effects, 85 mg/m³
Industrial, inhalative, Long-term - systemic effects, 85 mg/m³
Industrial, dermal, Acute - systemic effects, 12.1 mg/kg bw/d
general population, dermal, Long-term - systemic effects, 8.4 mg/kg bw/d
general population, dermal, Acute - systemic effects, 8.4 mg/kg bw/d
general population, inhalative, Acute - local effects, 25 mg/m³
general population, inhalative, Acute - systemic effects, 25 mg/m³
general population, inhalative, Long-term - local effects, 25 mg/m³
general population, inhalative, Long-term - systemic effects, 25 mg/m³
3-Aminopropyltriethoxysilane, CAS: 919-30-2
Industrial, dermal, Long-term - systemic effects, 8.3 mg/kg bw/d
Industrial, dermal, Acute - systemic effects, 8.3 mg/kg bw/d
Industrial, inhalative, Long-term - systemic effects, 59 mg/m³
general population, dermal, Acute - systemic effects, 5 mg/kg bw/d (AF=10)
general population, dermal, Long-term - systemic effects, 5 mg/kg bw/d (AF=10)
general population, inhalative, Long-term - systemic effects, 17.4 mg/m³ (AF=10)
1,3,5-Tris[3-(trimethoxysilyl)propyl]-1,3,5-triazine-2,4,6(1H,3H,5H)-trione, CAS: 26115-70-8
Industrial, inhalative, Long-term - systemic effects, 7.05 mg/m³
Industrial, dermal, Long-term - systemic effects, 1 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 26400 mg/m³
general population, dermal, Long-term - systemic effects, 500 µg/kg bw/day
general population, oral, Long-term - systemic effects, 500 µg/kg bw/day
general population, inhalative, Long-term - systemic effects, 1.73 mg/m³

PNEC

Substance
Tetraethyl silicate, CAS: 78-10-4
sewage treatment plants (STP), 4000 mg/l
seawater, 0.0192 mg/l
sediment, 0.18 mg/kg dw
sediment (freshwater), 0.18 mg/kg

sediment (seawater), 0.018 mg/kg
sediment (seawater), 0.083 mg/kg dw
freshwater, 0.192 mg/l
soil, 0.05 mg/kg dw
sediment (freshwater), 0.83 mg/kg dw
3-Aminopropyltriethoxysilane, CAS: 919-30-2
freshwater, 0.33 mg/L (AF=1000)
seawater, 0.033 mg/L (AF=10 000)
sewage treatment plants (STP), 13 mg/L (AF=1)
sediment (freshwater), 1.2 mg/kg dw
sediment (seawater), 0.12 mg/kg dw
soil, 0.05 mg/kg dw
1,3,5-Tris[3-(trimethoxysilyl)propyl]-1,3,5-triazine-2,4,6(1H,3H,5H)-trione, CAS: 26115-70-8
sewage treatment plants (STP), 14.3 mg/L

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
Safety glasses. (EN 166:2001)

Hand protection
0.7 mm Butyl rubber, >480 min (EN 374-1/-2/-3).
The details concerned are recommendations. Please contact the glove supplier for further information.

Skin protection
Light protective clothing.

Other
Avoid contact with eyes and skin.
Do not inhale vapours.
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
In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection.
Short term: filter apparatus, filter A. (DIN EN 14387)

Thermal hazards
no

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

Physical state	pasty
Form	pasty
Color	black
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not determined
Boiling point or initial boiling point and boiling range [°C]	not determined
Flash point [°C]	> 95
Flammability	not determined
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/cm³]	not determined
Relative density	not determined
Bulk density [kg/m³]	not applicable
Solubility in water	virtually insoluble
Solubility other solvents	No information available.
Partition coefficient n-octanol/water (log value)	not determined
Kinematic viscosity	not relevant
Relative vapour density	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Auto-ignition temperature [°C]	not applicable
Decomposition temperature [°C]	>150
Particle characteristics	No information available.

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

See SECTION 10.3.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with strong oxidizing agents, strong acids and alkalis.

10.4 Conditions to avoid

Contact with moisture.
See SECTION 7

10.5 Incompatible materials

Strong oxidizing agent.

10.6 Hazardous decomposition products

Contact with moisture liberates Ethanol.
In the case of heating (150-180°C) following modest (decomposition) products may occure:
Formaldehyde.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

Substance
Tetraethyl silicate, CAS: 78-10-4
LD50, oral, Rat, > 2500 mg/kg (OECD TG 423)
NOAEL, oral, Rat, 10 mg/kg (28 d) (OECD TG 422)
3-Aminopropyltriethoxysilane, CAS: 919-30-2
LD50, oral, Rat, 1457 mg/kg / 1.57 mL/kg, OECD 401
LD50, oral, Rat, 2660 mg/kg / 2.83 mL/kg, OECD 401
1,3,5-Tris[3-(trimethoxysilyl)propyl]-1,3,5-triazine-2,4,6(1H,3H,5H)-trione, CAS: 26115-70-8
LD50, oral, Rat, 1713 mg/kg bw

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

Substance
3-Aminopropyltriethoxysilane, CAS: 919-30-2
LD50, dermal, Rabbit, 4076 mg/kg / 4.29 mL/kg, OECD 402
1,3,5-Tris[3-(trimethoxysilyl)propyl]-1,3,5-triazine-2,4,6(1H,3H,5H)-trione, CAS: 26115-70-8
LD50, dermal, Rabbit, 19200 mg/kg bw

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

Substance
Tetraethyl silicate, CAS: 78-10-4
LC50, inhalative, Rat, 10 - 16 mg/l (OECD TG 403)
3-Aminopropyltriethoxysilane, CAS: 919-30-2
LC50, inhalation (vapour), Rat (male), > 5 ppm/6h (OECD 403)
LC50, inhalation (vapour), Rat (female), > 16 ppm/6h (OECD 403)

Serious eye damage/irritation Risk of serious damage to eyes.

Substance
3-Aminopropyltriethoxysilane, CAS: 919-30-2
Rabbit (eye), OECD 405, Causes serious eye damage.

Skin corrosion/irritation Irritant

Substance
3-Aminopropyltriethoxysilane, CAS: 919-30-2
Rabbit, OECD 404, corrosive

Respiratory or skin sensitisation May cause an allergic skin reaction.

Substance
3-Aminopropyltriethoxysilane, CAS: 919-30-2
dermal, Guinea pig, OECD 406, sensitising

Specific target organ toxicity — single exposure Based on available data, the classification criteria are not met.

Specific target organ toxicity — repeated exposure Based on available data, the classification criteria are not met.

Substance

3-Aminopropyltriethoxysilane, CAS: 919-30-2
NOAEL, oral, Rat, 200 mg/kg (90d; 7d/w), OECD 408, no adverse effect observed
LOAEC, inhalativ (mist), Rat, 0.147 mg/l (28d; 5d/w; 6h/d)
1,3,5-Tris[3-(trimethoxysilyl)propyl]-1,3,5-triazine-2,4,6(1H,3H,5H)-trione, CAS: 26115-70-8
NOAEL, oral, Rat, 300 mg/kg bw/day

Mutagenicity Does not contain a relevant substance that meets the classification criteria.

Substance
3-Aminopropyltriethoxysilane, CAS: 919-30-2
in vivo, OECD 474, negativ
in vitro, OECD 476, negativ
in vitro, OECD 471, negativ

Reproduction toxicity Does not contain a relevant substance that meets the classification criteria.

- Fertility

Substance
1,3,5-Tris[3-(trimethoxysilyl)propyl]-1,3,5-triazine-2,4,6(1H,3H,5H)-trione, CAS: 26115-70-8
NOAEL, oral, Rat, 1000 mg/kg bw/day

- Development

Substance
3-Aminopropyltriethoxysilane, CAS: 919-30-2
NOAEL, 100 mg/kg
1,3,5-Tris[3-(trimethoxysilyl)propyl]-1,3,5-triazine-2,4,6(1H,3H,5H)-trione, CAS: 26115-70-8
NOAEL, oral, Rat, 1000 mg/kg bw/day

Carcinogenicity Does not contain a relevant substance that meets the classification criteria.

Substance
3-Aminopropyltriethoxysilane, CAS: 919-30-2
NOAEL, dermal, mouse, > 43.8 mg/w (2a; 3d/w), no adverse effect observed

Aspiration hazard Does not contain a relevant substance that meets the classification criteria.

General remarks

Toxicological data of complete product are not available.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties Contains no ingredients with endocrine-disrupting properties.

11.2.2 Other information none

SECTION 12: Ecological information

12.1 Toxicity

Substance
Tetraethyl silicate, CAS: 78-10-4
LC50, (96h), Brachidanio rerio, > 245 mg/l (OECD TG 203)
EC50, (48h), Daphnia magna, > 75 mg/l (OECD TG 202)
EC50, (72h), Pseudokirchneriella subcapitata, > 100 mg/l (OECD TG 201)
NOEC, (96h), Brachidanio rerio, > 245 mg/l (OECD TG 203)
NOEC, (72h), Pseudokirchneriella subcapitata, > 100 mg/l (OECD TG 201)
NOEC, (48h), Daphnia magna, > 75 mg/l (OECD TG 202)
3-Aminopropyltriethoxysilane, CAS: 919-30-2
LC50, (96h), Danio rerio, > 934 mg/l (OECD 203)
EC50, (48h), Daphnia magna, 331 mg/l (OECD 202)
EC50, (72h), Pseudokirchneriella subcapitata, > 1000 mg/l (OECD 201)
1,3,5-Tris[3-(trimethoxysilyl)propyl]-1,3,5-triazine-2,4,6(1H,3H,5H)-trione, CAS: 26115-70-8
LC50, (96h), fish, 100 mg/L
EC50, (48h), Invertebrates, 100 mg/L
EC50, (3h), Microorganisms, 805 mg/L
EL50, (72h), Algae, 100 mg/L
NOEC, (3h), Microorganisms, 100 - 1000 mg/L
NOELR, (72h), Algae, 100 mg/L
EC10, (3h), Microorganisms, 88.7 - 218 mg/L
EL10, (72h), Algae, 100 mg/L

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not determined
Biological degradability	not determined

12.3 Bioaccumulative potential

not determined

12.4 Mobility in soil

not applicable

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

12.7 Other adverse effects

Ecological data of complete product are not available.

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.
Disposal in an incineration plant in accordance with the regulations of the local authorities.

Waste no. (recommended) 070216*

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* packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

14.1 UN number or ID number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.4 Packing group

Transport by land according to ADR/RID	not applicable
Inland navigation (ADN)	not applicable
Marine transport in accordance with IMDG	not applicable
Air transport in accordance with IATA	not applicable

14.5 Environmental hazards

Transport by land according to ADR/RID	no
Inland navigation (ADN)	no
Marine transport in accordance with IMDG	no
Air transport in accordance with IATA	no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EEC-REGULATIONS	2008/98/EC 2000/532/EC); 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014; (EU) 2019/1148
- Comment on component parts	Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
- Annex I (REACH)	The product is not subject to Annex I restrictions.
- Annex XIV (REACH)	According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances ≥ 0.1% that are subject to authorisation.
- Annex XVII (REACH)	According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains ≥ 0.1% of substances with the following restrictions. 20, 40, 75
	According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is not subject to any restrictions.
TRANSPORT-REGULATIONS	ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2023)
NATIONAL REGULATIONS (EU):	
- Observe employment restrictions for people	Observe employment restrictions for young people.
- VOC (2010/75/CE)	20 %

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

H314 Causes severe skin burns and eye damage.
H302 Harmful if swallowed.
H412 Harmful to aquatic life with long lasting effects.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H315 Causes skin irritation.
H335 May cause respiratory irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H226 Flammable liquid and vapour.

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
EL50 = Median effective loading
ELINCS = European List of Notified Chemical Substances
EmS = Emergency Schedules
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
IVIS = In vitro irritation score
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
LL50 = Median lethal loading
LQ = Limited Quantities
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

This document does not comply with Regulation (EC) No 1907/2006, article 31 (5) and may be used for internal purposes only.

Classification procedure
Eye Dam. 1: H318 Causes serious eye damage. (Calculation method)
Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)
Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)

Modified position none