



SAFETY DATA SHEET

In accordance with Regulation (EC) No. 1907/2006

StoPox KU 405 Komp. B

Ref. 130000006013/D

Rev. no. 1.2

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name StoPox KU 405 Komp. B

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

Coating material

Reserved for industrial and professional use.

Uses advised against

This information is not available.

1.3 Details of the supplier of the safety data sheet

Sto SE & Co. KGaA
Ehrenbachstr. 1
D - 79780 Stühlingen
Telephone: +49 7744 57-0
Telefax: +49 7744 57 -2178
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E-mail address of person responsible for the SDS European Union

Sto SE & Co. KGaA
TIQ Quality Management Department
p.hammerschmitt@sto.com

1.4 Emergency telephone number European Union

Phone: +44 (0)1235 239 670

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin corrosion, Category 1B H314: Causes severe skin burns and eye damage.

Serious eye damage, Category 1 H318: Causes serious eye damage.

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

Chronic aquatic toxicity, Category 3 H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

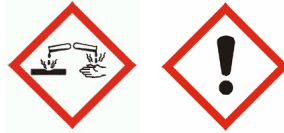
Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms



Signal word

Danger

Hazard statements

H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention:
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
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. Immediately call a POISON CENTER/doctor.
P310
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Disposal:
P501 Contents/container to be disposed of through approved disposal contractor or taken to municipal collection point.

Hazardous components which must be listed on the label:

Polyoxypropylenediamine
Carbomonocyclic alkylated mixture of poly-aza-alkanes, hydrogenated
Phenol, styrenated
2-piperazin-1-ylethylamine

2.3 Other hazards

Results of PBT and vPvB assessment
Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (% w/w)
Polyoxypropylenediamine	9046-10-0 01-2119557899-12-XXXX	Skin Corr.1C; H314 Eye Dam.1; H318 Aquatic Chronic3; H412	≥ 20 - < 25

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Carbomonocyclic alkylated mixture of poly-aza-alkanes, hydrogenated	1173092-74-4	Skin Corr.1B; H314 Skin Sens.1; H317	≥ 10 - < 20
Phenol, styrenated	61788-44-1 262-975-0 01-2119980970-27-XXXX	Skin Irrit.2; H315 Skin Sens.1; H317 Aquatic Chronic2; H411	≥ 10 - < 20
2-piperazin-1-ylethylamine	140-31-8 205-411-0	Acute Tox.4; H302 Acute Tox.3; H311 Skin Corr.1B; H314 Skin Sens.1; H317 Aquatic Chronic3; H412	≥ 2,5 - < 5

For explanation of abbreviations see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice	When symptoms persist or in all cases of doubt seek medical advice. First aider needs to protect himself.
Inhalation	Move to fresh air in case of accidental inhalation of vapours or decomposition products. Consult a physician after significant exposure.
Skin contact	Take off contaminated clothing and shoes immediately. Take off contaminated clothing and wash it before reuse. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. If symptoms persist, call a physician.
Eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician. Eye rinsing bottle must be kept immediately to hand.
Ingestion	Never give anything by mouth to an unconscious person. Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
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4.3 Indication of any immediate medical attention and special treatment needed

Treatment	Treat symptomatically. No information available.
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SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media High volume water jet

5.2 Special hazards arising from the substance or mixture

Fire may cause evolution of:
Carbon monoxide
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.
Complete suit protecting against chemicals

Additional advice

Water for fire fighting must not be emptied into drains, earth or waters.
Contaminated water and earth must be disposed of according to official local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe fumes / aerosol
Do not get in eyes, on skin, or on clothing.
Use personal protective equipment.
Ensure adequate ventilation.
Prevent unauthorized access.

6.2 Environmental precautions

Prevent seepage into sewage system, workpits and cellars.
Do not allow contact with soil, surface or ground water.

6.3 Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Clean contaminated surface thoroughly.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling

Avoid contact with skin and eyes.
Do not breathe vapours or spray mist.
Persons with a history of skin sensitisation problems or asthma, allergies,

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chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
Comply with the statutory regulations on health and safety at work.
Do not re-use empty containers.

Hygiene measures

Take off immediately all contaminated clothing.
Keep working clothes separately.
Wash hands before breaks and immediately after handling the product.
After washing hands, replenish lost skin oil by means of oily skin ointment.
When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Keep out of reach of children.
Store in original container.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Protect from frost, heat and sunlight.
Keep in a dry place.

Advice on common storage

No materials to be especially mentioned.

7.3 Specific end use(s)

For further information, see also Technical Data Sheet for the product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values. The lists that were valid during the creation were used as basis.

8.2 Exposure controls

Appropriate engineering controls

Washing facilities / water for rinsing eyes and skin should be available.

Individual protection measures, such as personal protective equipment

a) Eye/face protection

Safety glasses with side-shields conforming to EN166

b) Skin protection Hand protection

Wearing time: < 20 min
Minimum thickness: 0,2 mm
Gloves made of the following materials are suitable as protection from splashes:
Gloves made of nitrile rubber, e.g. KCL 743 Dermatril® P (Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-87-300, kcl-uk@kcl.de), or equivalent.

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Wetted gloves must be disposed of immediately!

Wearing time: > 480 min

Minimum thickness: 0,4 mm

Gloves in the following material can be used for prolonged contact up to max. 8 hours:

Gloves made of nitrile rubber, e.g. KCL 730 Camatril® Velours (Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-87-300, kcl-uk@kcl.de), or equivalent.

Dispose of wetted gloves at the end of the shift!

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Cotton undergloves are recommendable when wearing protective gloves! To avoid skin problems reduce the wearing of gloves to the required minimum.

Only use chemical-protective gloves with CE-labelling of category III.

Body Protection

Impervious clothing

If splashes are likely to occur, wear:

Solvent-resistant apron and boots

c) Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Recommended Filter type:

A/P2 combination filter, alternatively a respiratory protective device independent from the surrounding air.

Respiratory protection complying with EN 14387.

For rescue and maintenance work in storage tanks use self-contained breathing apparatus.

General precautions and other information

The instructions for the personal protective equipment apply to the handling of both individual components and of the ready-to-use mixture.

Environmental exposure controls

General advice

Prevent seepage into sewage system, workpits and cellars.

Do not allow contact with soil, surface or ground water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	liquid
Colour	Yellowish
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling	No data available

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range	
Flash point	No data available
Evaporation rate	not applicable
Flammability (solid, gas)	not applicable
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	ca. 1,02 g/cm ³ , 23 °C
Solubility(ies)(Water)	No data available
Partition coefficient: n-octanol/water	not determined
Auto-ignition temperature	not auto-flammable
Ignition temperature	No data available
Viscosity, dynamic	ca. 410 mPa.s (23 °C)
Viscosity, kinematic	No data available
Explosive properties	Not explosive
Oxidizing properties	Not applicable

9.2 Other information

Flow time	No data available
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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions	Exothermic reaction with acids. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
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10.4 Conditions to avoid

Conditions to avoid	Direct sources of heat. Strong sunlight for prolonged periods.
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10.5 Incompatible materials

Materials to avoid	Acids and bases Oxidizing agents Halogenated compounds
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10.6 Hazardous decomposition products

Hazardous decomposition products	No decomposition if stored and applied as directed. In case of fire hazardous decomposition products may be produced such as: Ammonia Nitrogen oxides
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Decomposition temperature	No data available
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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product

Acute oral toxicity	Acute toxicity estimate : > 2.000 mg/kg Method: Calculation method
Acute inhalation toxicity	Based on available data, the classification criteria are not met.
Acute dermal toxicity	Acute toxicity estimate : > 2.000 mg/kg Method: Calculation method
Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory or skin sensitisation	May cause an allergic skin reaction. Does not cause respiratory sensitisation.
Germ cell mutagenicity	
Genotoxicity in vitro	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.

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Reproductive toxicity Effects on fertility	Based on available data, the classification criteria are not met.
Developmental Toxicity	Based on available data, the classification criteria are not met.
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.
Human experience	If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.
Further information	The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008. (See sections 2 and 3 for details).

Components:

Polyoxypropylenediamine :

Skin corrosion/irritation Causes severe skin burns and eye damage.

Serious eye damage/eye irritation Causes serious eye damage.

Carbomonocyclic alkylated mixture of poly-aza-alkanes, hydrogenated :

Skin corrosion/irritation Causes severe skin burns and eye damage.

Respiratory or skin sensitisation May cause an allergic skin reaction.

Phenol, styrenated :

Skin corrosion/irritation Causes skin irritation.

Respiratory or skin sensitisation May cause an allergic skin reaction.

2-piperazin-1-ylethylamine :

Acute oral toxicity Acute toxicity estimate : 500 mg/kg

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Method: Expert judgement

Acute dermal toxicity

LD50 Rabbit: 866 mg/kg

Method: OECD Test Guideline 402

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Product:

Toxicity to fish

No data available

12.2 Persistence and degradability

Product:

Biodegradability

No data available

Components:

Polyoxypropylenediamine :

Biodegradability

Result: not rapidly degradable

Phenol, styrenated :

Biodegradability

Result: not rapidly degradable

12.3 Bioaccumulative potential

Product:

Bioaccumulation

No data available

Components:

Polyoxypropylenediamine :

Bioaccumulation

Bioaccumulation is unlikely.

Partition coefficient: n-
octanol/water

log Pow: 1,34 (25 °C)

Method: OECD Test Guideline 117

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2-piperazin-1-ylethylamine :

Partition coefficient: n-octanol/water log Pow: -1,48

12.4 Mobility in soil

Product:

Mobility No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:

Additional ecological information Do not allow product to enter into ground water, bodies of water or sewage systems. Harmful to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product The user is responsible for proper coding and marking of any waste. When used as recommended, the waste code can be selected according to the code of the European Waste Catalogue (EWC), category 17.09 "Other Construction and Demolition Waste" Unhardened product residues should be disposed of under the recommended waste code number.

Contaminated packaging Empty packaging should be recycled through disposal systems.

Waste key for the unused product 08 01 11*: Paint and varnish waste containing organic solvents or other dangerous substances

: (*) hazardous waste in terms of the European directive 91/689/EEC

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR 2735

IMDG 2735

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IATA 2735

14.2 UN proper shipping name

ADR POLYAMINES, LIQUID, CORROSIVE, N.O.S.
(Modified cycloaliphatic amine, polyoxypropylenediamine)

IMDG POLYAMINES, LIQUID, CORROSIVE, N.O.S.
(Polyamine mixture, polyoxypropylenediamine)

IATA Polyamines, liquid, corrosive, n.o.s.
(Polyamine mixture, polyoxypropylenediamine)

14.3 Transport hazard class(es)

ADR 8

IMDG 8

IATA 8

14.4 Packing group

ADR

Packing group II

Classification Code C7

Hazard Identification Number 80

Labels 8

Tunnel restriction code (E)

IMDG

Packaging group II

Labels 8

EmS number F-A, S-B

IATA

Packaging group II

Labels 8

14.5 Environmental hazards

ADR

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Environmentally hazardous no

IMDG

Marine pollutant no

14.6 Special precautions for user

Remarks This information is not available.

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

Remarks Not applicable

SECTION 15: REGULATORY INFORMATION

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

Directive 2004/42/EC 0 %

Further notes EU limit value for this product (cat. A)/500 g/l This product contains max 500 g/IVOC.
For further information, see also Technical Data Sheet for the product.

Other regulations Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.
Take note of Dir 94/33/EC on the protection of young people at work.

15.2 Chemical Safety Assessment

This information is not available.

SECTION 16: OTHER INFORMATION

Changes from the previous version are indicated by markings in the left-hand margin. The information in this Safety Data Sheet corresponds to our present state of knowledge and conforms to both national and EU legislation. The user's working conditions are, however, beyond our knowledge and control. The user is responsible for complying with all necessary legal requirements. The information in this Safety Data Sheet describes the safety requirements of our product and does not constitute any assurance of product properties.

Full text of H-Statements

H302 : Harmful if swallowed.

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H311	: Toxic in contact with skin.
H314	: Causes severe skin burns and eye damage.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H411	: Toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Chronic	: Chronic aquatic toxicity
Eye Dam.	: Serious eye damage
Skin Corr.	: Skin corrosion
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitisation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information

It is possible in the interim period that you may find different markings on packaging compared to the Material Safety Data Sheet until stocks have been used up. We ask for your understanding in this matter.

Department issuing MSDS

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