Safety Data Sheet

According to 1907/2006/EC, article 31

Version: 6 Revision: 31.10.2022
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SECTION 1:Identification of the substance/mixture and oft the company/undertaking

*1.1 Trade name:

Gelbar 1:9 schäumend

Art.-No. 12445, 12547, 12548 UFI: HY00-R0CQ-8002-35AF

For professional application

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

Application of the substance / the preparation cleaner

Uses advised against of the substance / the preparation -

1.3 Details of the supplier oft he safety data sheet

Manufacturer / Supplier

SK-Chemie Stefan Köhler
Vertrieb Chem.-Techn. Spezial-Produkte
Stefan Köhler
Bergweg 5
D-56340 Dachsenhausen

Phone: +49 (0) 6776 958 931
Telefax: +49 (0) 6776 958 932
E-Mail: info@skchemie.de
Webseite: http://www.skchemie.de

1.4 Emergency telephone number

Poison Info Center of the University Mainz
24 houres service. Languages: german/english

Phone: +49 (0) 6131 / 19240

1.5 Further informations obtainable from

SK-Chemie Stefan Köhler, Contact datas see above

SECTION 2: Hazards information

2.1 Classification of the product/mixture according to Regulation (EC) No 1272/2006

Regulation (EC) No 1272/2008:
Flam. Liq. 2; H225 , Skin Irrit. 2; H315 , Eye Dam. 1; H318 , STOT SE 3; H336 , Aquatic Chronic 3; H412

2.2 Labelling of the product/mixture according to Regulation (EC) No 1272/2006

Hazard pictograms:

GHS02 GHS05 GHS07

Signal word: Danger

Hazard statements:

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405 Store locked up.
P501 Dispose of contents/container to local/regional/national/ international regulations.

2.3 Other hazards

Results of PBT- and vPvB assesment
PBT: not applicable.
vPvB: not applicable.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterization

Mixture of substances listed below with nonhazardous additions.

3.2 Hazardous ingredients

Stoff:	EINECS:	CAS:	INDEX-No.:	REACH-No.:	Concentration:	Classification: EC 1272/2008(CLP):
Propan-2-ol	200-661-7	67-63-0			25 - 50 %	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
Ammonia soap					10 – 25 %	Eye Irrit. 2; H319
Ammonia, aqueous solution	215-647-6	1336-21-6			5 – 15 %	Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT SE 3; H335 Aquatic Chronic 3; H412
Trisodium nitrilotriacetate	225-768-6	5064-31-3			1 – 5 %	Carc. 2; H351 Acute Tox. 4; H302 Eye Irrit. 2; H319

(Full text of H-phrases: see section 16.)

3.3 Additional informations

Contains no SVHC substances

Regulation (EC) No 648/2004 on detergents / Labelling for contents

contains < 5 % NTA, 15-30 % Soap

SECTION 4: First aid measures

4.1 Description of first aid measures

General informations Remove any clothing soiled by the product immediately.

After inhalation Ensure supply of fresh air. In case of respiratory arrest or irregular breathing artificial respiration or oxygen respiration and seek medical advice immediately. In case of unconsciousness place and transport in stable side position.

After skin contact Remove any clothing soiled by the product immediately. Wash off with plenty of water. If skin irritation persists, consult a doctor.

After eye contact After contact with the eyes, immediately rinse the open eyes 10 to 15 minutes under running water. Seek medical advice (oculist).

After swallowing Give water to drink in small sips (dilution effect). Do not induce vomiting. Seek medical advice.

Self protection First responders: take care of self-protection

4.2 Most important symptoms and effects, both acut and delayed

Symptoms: No further relevant information available.

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

SECTION 5: Firefighting measures

5.1 General informations
Extinguishing measures in accordance to the surrounding conditions. To protect persons and to cool endangered containers using water spray. Remove undamaged containers from the danger zone if possible without risk.

5.2 Extinguishing media:
suitable: Water-spray, Carbon dioxid (CO2), foam, extinguishing powder
Unsuitable: Water with full jet

5.3 Special hazards arising from the substance or mixture
Formation of explosive vapor / air mixture may be possible.
In case of fire may form: carbon oxides (CO, CO2), nitrogen oxides (NOx), ammonia (NH_3)

5.4 Advice for firefighters
Protective equipement
Wear full protective suit with self-contained breathing apparatus.

Additional informations
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipement and emergency procedures
Ensure adequate ventilation. Do not inhale vapors. Wear personal protective equipment. Remove persons to safety. Keep unprotected persons away. Keep ignition sources away. Do not smoke. Avoid sparks.

6.2 Enviroment precautions
Avoid penetration into drains, pits, cellars, water. Inform respective authorities in case of seepage into water coures or sewage system. Do not allow to enter sewers/surface or ground water.

6.3 Methods and material for containment and cleaning up
Absorb with liquid-binding material (e.g. sand, fused silica, acid-binder, universal-binder). Contaminated material has to be disposed as waste (see section 13). Clean contaminated surface thoroughly.

6.4 Referenco to other sections
See section 7 for information on safe handling
See section 8 for inormation on personal protection equipement
See section 13 for disposal infomation

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Advice on safe handling

Keep containers/bottles tightly closed. Open and handle container with care. Ensure good ventilation/exausting at the workplace. Do not breathe vapours/aerosols. Avoid contact with eyes and skin.

Technical measures
Ensure good ventilation / exhaustion at the stores and work areas.
Take measures to prevent electrostatic charging.

Information about fire- and expolsion protections
Usual measures for preventive fire protection. Take measures to prevent electrostatic charging.

Additional information
None

7.2 Conditions for safe storage including any incompatibilities

Technical measures and conditions
Ensure good ventilation. Keep container tightly closed and store in a cool, well-ventilated place. Keep away from direct sunlight and other heat and ignition sources.

Packaging materials
Keep containers/bottles tightly closed. Use original containers/bottles only.

Requirements to be met by storerooms and receptacles
Store in cool, dry conditions**.** Observe official regulations on storage and handling of water harzardous substances.

Information about storage in one common storage facility
Keep away from foodstuffs, beverages and feed. Away from sources of ignition and heat.

Further information about storage conditions
Attention should be paid to the guidelines of the VbF and the related technical regulations of the TRbF.

Storage class: 3 flammable liquids (TRGS 510 (German guideline))

7.3 Specific end use(s)

See directions for use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace

Occupational exposure limits:

Substance:	CAS:	Origin:	Occupational exposure limit value	Peak:	Remarks:
Propan-2-ol	67-63-0	GESTIS data base	Long-term value: 500 mg/m^3, 200 ml/m^3	2, (II)	DFG, Y
Ammonia, aqueous solution	1336-21-6	GESTIS data base	Long-term value: 14 mg/m^3, 20 ml/m^3	2, (I)	DFG, EU,Y

Common exposure limits:

Substance:	CAS:	Origin:	Occupational exposure limit value	Peak:	Remarks:
Ammonia, aqueous solution	7664-41-7	-	Short-term value: 36 mg/m^3, 50 ml/m^3 Long-term value: 14 mg/m^3; 20 ml/m^3	-	IOLEV (Europäische Union)

Additional information: The lists valid during the making were used as basis.

DNELs
67-63-0 Propan-2-ol

Oral	DNEL (population)	26 mg/kg bw/day (Long-term-systemic-effects)
Dermal	DNEL (population)	319 mg/kg bw/day (Long-term-systemic-effects)
Dermal	DNEL (worker)	888 mg/kg bw/day (Long-term-systemic-effects)
Inhalativ	DNEL (population)	89 mg/m^3 (Long-term-systemic-effects)
Inhalativ	DNEL (worker)	500 mg/m^3 (Long-term-systemic-effects)

1336-21-6 Ammonia, aqueous solution

Dermal	DNEL (worker)	6,8 mg/kg bw/day (Acute - systemic-effects)
Dermal	DNEL (worker)	6,8 mg/kg bw/day (Long-term - systemic-effects)
Inhalativ	DNEL (worker)	47,6 mg/m^3 (Acute - systemic-effects)
Inhalativ	DNEL (worker)	36 mg/m^3 (Acute - local-effects)
Inhalativ	DNEL (worker)	47,6 mg/m^3 (Long-term - systemic-effects)
Inhalativ	DNEL (worker)	14 mg/m^3 (Long-term - local-effects)

PNEC-Werte

67-63-0 Propan-2-ol
PNEC 2251 mg/l (Kläranlage)
PNEC aqua 140,9 mg/l (fresh water)
PNEC sediment 552 mg/kg (fresh water)
PNEC soil 28 mg/kg (soil)

1336-21-6 Ammonia, aqueous solution
PNEC aqua 0,165 mg/l (fresh water)
PNEC sediment 0,0165 mg/kg (fresh water)
PNEC soil 32,3 mg/kg (soil)

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

General protective and hygiene measures

Technical measures and the application of suitable work processes should be given priority over the use of personal protective equipment.
The personal protective equipment must be defined depending on the quantitites and concentration of hazardous substances in the workplace. (Risk assessment)
Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and the end of work. Store protective clothing separately. Avoid contact with eyes and skin. Do not breathe vapours/aerosols.

Personal protective equipement

Minimum standards for protective measures when handling working substances are listed in TRGS 500.

Breathing equipment

Continuously respected workplace exposure limits and other limits respiratory protection normally is not required.
Exceeding the minimum triggering level --> breathing filter apparatus
In case of brief exposure or low pollution use breathing filter apparatus. (Face mask according to DIN EN 136) with filter type ABEK(P2)(according DIN EN 14387). In case of intensive or longer exposure use breathing apparatus that is independent of circulating air (according DIN EN 137).

Protection of hands

Chemical-resistant protective gloves (EN 374)
The glove material has to be impermeable and resistant to the product / the substance / the preparation. Due to missing tests no recommendation to the glove material for the product / the preparation / the chemical mixture can be discharged. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

Butyl rubber, Nitrile rubber
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 fitting safety glasses according DIN EN 166.

Body protection
Protective clothing in accordance with DIN EN 13688 : 2013. Chemical resistant safety shoes or boots according DIN EN 13832-1 : 2006. If skin contact is possible, wear inpenetrableprotective clothing against this substance according DIN EN 13034:2005.
Protective clothing in accordance with DIN EN 13688 : 2013. Chemical resistant safety shoes or boots according DIN EN 13832-1+2 : 2006.

Environmental exposure controls
see section 7. There are no further action is required.

Consumer exposure control
see section 7. There are no further action is required.

8.3 Exposure scenario
none

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Form:	Liquid
Color:	Red
Odour:	Ammonia like

Safety relevant basic data

	Parameter	Value	Unit	Remark
Density:	at 20°C	approx. 0,9	g/cm³	
pH:	100 g/l	approx. 10		
Melting point / -range:				No data available
Initial boiling point/boiling range				No data available
Flashpoint		18	°C	DIN EN ISO 2719:2002
Ignition properties:				No data available
Upper ignition limits				No data available
Upper igniton limits				No data available
Explosiv properties				Product is not explosive. However, formation of explosive air/steam mixtures is possible.
Upper explosive limits		2,0	Vol.-%	
Upper explosive limits		28,0	Vol.-%	
Auto-ignition temperature				Products has no auto-ignition properties
Decomposition temperature				No data available
Oxidising properties				No data available
Vapour pressure				No data available
Vapour density				No data available
Evaporation rate				No data available
Solubility in water				completely miscible
Partition coefficient n-octanol/water				No data available
Viscosity:				No data available
Value of solvents:				
- organic solvents		34,5	%	

9.2 Additional information
No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity
No further relevant information available.

10.2 Chemical Stability
No decomposition if used according to the specifications.

10.3 Possibility of hazardous reactions
No further relevant information available.

10.4 Conditions to avoid
Heating

10.5 Incompatible materials
No further relevant information available.

10.6 Hazardous decomposition products
In case of fire may form: carbon oxides (CO, CO2), nitrogen oxides (NOx), ammonia (NH_3)

10.7 Additional information
No further relevant information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
No data available for the mixture.

Acute Toxicity

Substance:	CAS.:	Toxilogical ngaben
Propan-2-ol	67-63-0	Acute Toxicity, oral LD50: 4570 mg/kg (Rat) Acute Toxicity, dermal LD50: 13400 mg/kg (Rabbit) Acute Toxicity, inhalative LC50/4 h: 30 mg/l (Rat)
Ammonia, aqueous solution	1336-21-6	Acute Toxicity, oral LD50: 350 mg/kg (Rat) (OECD 401) Acute Toxicity, inhalativ LC50/2 h: 7,6 mg/l (Rat)
Trisodium nitrilotriacetate	5064-31-3	Acute Toxicity, oral LD50: 1450 mg/kg (Rat) Acute Toxicity, dermal LD50: >10000 mg/l (Rabbit)

11.2 Primary irritant effect
On the skin
Causes skin irritations.
On the eye
Causes serious eye damage.
After inhalation
Causes irritations on skin and mucous membrans.

11.3 Sensitisation
No sensitizing effects known.

11.4 Specific target-organ toxicity (STOT)
Single exposure:
67-63-0 Propan-2-ol: May cause drowsiness or dizziness.
Repeated exposure: based on available data, the classification criteria are not met.

11.5 CMR-effects

Carcinogenity
No effects known.
Mutagenicity
No effects known.
Reproductiv toxicity
No effects known.

11.6 General remarks

No further relevant information available.

Practical experience
There is no information available.

Other observations
There is no information available.

Additional information
No further relevant information available.

SECTION 12: Ecological information

12.1 Information on toxicological effects

No data available for the mixture.

Ecotoxicity

Substance:	CAS:	Ecotoxicity
Propan-2-ol	67-63-0	EC50/48h: >100 mg/l [Daphnia magna] EC50/72h: >100 mg/l [Scenedesmus subspicatus] LC50/48h: >100 mg/l [Leuciscus idus]
Ammoniaklösung	1336-21-6	EC50/18d: 2700 mg/l [chlorella vulgaris] EC50/48h: 101 mg/l [Daphnia magna] LC50/96h: 0,16-1,1 mg/l [Oncorhynchus mykiss] LC50/96h: 0,068 mg/l [Oncorhynchus gorbuscha] NOEC/96h 0,79 mg/l [Daphnia magna]
Trisodium nitrilotriacetate	5064-31-3	EC50/48h: >100 mg/l [Daphnia magna] EC50/72h: >100 mg/l (seaweed) EC50/96h: 780 mg/l [chlorella vulgaris] LC50/96h: 98 mg/l [Oncorhynchus mykiss] LC50/96h: 312 mg/l [Lepomis macrohirus]

Data is from the Gestis substance database

12.2 Persistence and degradability

No relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT- and vPvB-assessment

Not applicable

12.6 Other advers effects

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful to aquatic life with long lasting effects. Toxic for fish.

12.7 Additional ecological information

Do not allow product to reach ground water, water bodies or sewage system.

12.8 Additional information

Water hazard class 2 (German Regulation)(Self-assessment): hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Chemicals must be disposed of in compliance with the respectiv national regulations.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Waste disposal key number

Since 01.01.1999 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.
Our classification: 20 01 29* detergents containing hazardous substances

Uncleaned packagings

Disposal must be made according to official regulations. Packagings that may not be cleansed are not to be disposed in the same manner as the product.

SECTION 14: Transport informations

14.1 UN-Number

ADR, IMDG, IATA **UN 1993**

14.2 Proper shipping name

ADR: 1993 FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL)), Special provision 640D
IMDG: FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))
IATA: FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))

14.3 Transport hazard class(es)

ADR:
Class: 3 (F1) Flammable liquids
Label: 3
IMDG, IATA:
Class: 3 Flammable liquids
Label: 3

14.4 Packaging group

ADR, IMDG, IATA: II

14.5 Enviromental hazards

Product contains enviromental hazards: -
Marine pollutant: no
Special marking (ADR): -

14.6 Special precautions for user

Warning: corrosive substances
Danger code (Kemler): 33
EMS-Number: F-E, S-E
Segregation groups: -

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code

Not applicable

14.8 Additional information

ADR:

Limited quantites (LQ): 1 L
Excepted quantities (EQ): Code E2 Maximum quantity per inner packaging: 30 ml
Maximum quantity per outer packaging: 500 ml

IMDG:

Limited quantities (LQ): 1 L
Excepted quantites (EQ): Code: E2 Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

UN "Model Regulation": UN1993, FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL)), Special provision 640D, 3, II

SECTION 15: Regulatory information

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

EU-Regulations

1999/13/EG on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations
Not relevant

2037/2000/EG on Substances which damage the ozone layer
Not relevant

850/2004/EG on Persistent Organic Pollutants
Not relevant

689/2008/EG on the export and import of dangerous chemicals
Not relevant

648/2004/EG on detergents
See section 3, item 3.3

1907/2006/EG - Restrictions according title VIII of Regulation
Not relevant

2012/18/EU (Seveso-Directive)
Named dangerous substances - ANNEX I None of the ingredients is listed.
Seveso category P5c FLAMMABLE LIQUIDS
Qualifying quantity (tonnes) for the application of lower-tier requirements 5.000 t
Qualifying quantity (tonnes) for the application of upper-tier requirements 50.000 t

Substances of very high concern (SVHC) according REACH, Article 57
none

National regulations
Must be observed

Storage class according TRGS 510 (German guideline)
Class 3 flammable liquids

15.2 Information about limitation of use
Employment restrictions concerning young persons must be observed.

15.3 Chemical Safety Assessment
A Chemical Safety Assessment has not been carried out.

SECTION 16: Other informations

16.1 Hazard statements under section 3
Complete wording of hazard statements and risk phrases (H-phrases) mentioned in section 3.
These phrases refer to the constituents. The labelling for this product is stated in section 2.
H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

16.2 Training advice
Users of breathing apparatus must be trained.

16.3 Recommended restriction(s) of application
See section 1.

16.4 Additional information
These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

*16.5 Replacement documentaion
Replaces issue dated 30.3.2022 (Version 5)
Addition of UFI-code.

16.6 Origin of datas
Information taken from reference works and literature as well as the instructions of the supplier.

16.7 Departement issuing MSDS
See section 1.5: SK-Chemie Stefan Köhler, Contact: Stefan Köhler

16.8 Abbreviations and acronymes
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the
International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organization
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 Harmonized System of Classification and Labelling of Chemicals
CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances
ELINECS: European List of Notified Chemical Substances
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
VCI: Verband der chemischen Industrie (German Chemical Industry Association, Germany)
VbF: Verordnung über brennbare Flüssigkeiten (Regulations for flammable liquids, Germany)
TRbF: Technische Regeln für brennbare Flüssigkeiten (Technical regulations for flammable liquids
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted no-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
SVHC: Substance of Very High Concern
PBT: **P**ersistent, **B**ioakkumulierend, **T**oxisch
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Skin Corr. 1A: Skin corrosive/irritation, Hazard Category 1A
Skin Irrit. 2: Skin corrosive/irritation, Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
STOT SE 3: Specific target organ toxicity – single exposure, Hazard Category 3
Aquatic Acute 1: Hazadous to the aquatic enviroment – Acute hazard, category 1
Aquatic Chronic 2: Hazadous to the aquatic enviroment – Chronic hazard, category 2
Carc. 2: Carninogenicity, Hazard Category 2
Acute Tox. 4: Acute toxicity, Hazard Category 4

* Data compared to the previous issue altered.