

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

1.1 Product identifier

Trade name/designation: KH 67 Resin
Product-no.: included in GHB 1 492 502 01; GHB 2 492 504 01;
GHB 3 492 506 01; GHB 4 492 510 01

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

No data available

1.3 Details of the supplier of the safety data sheet

Company: Günther Spelsberg GmbH & Co.KG
Im Gewerbepark 1
Germany- 58579 Schalksmühle
Telephone: +49 (0) 2355/892-0
Telefax: +49 (0) 2355/892-299
E-Mail: info@spelsberg.de
Dept. responsible for information: Safety and Environmental Management

1.4 Emergency telephone number

Mo - Fr 9:00 - 13:00; 0049-4122-701-220/-352 (Safety and Environmental department)

2. Hazards identification:

2.1 Classification of the substance or mixture

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

Remark

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Special rules for supplemental label elements for certain mixtures

EUH208 Contains 2,4,6-Tri-(dimethylaminomethyl)phenol. May produce an allergic reaction.
EUH210 Safety data sheet available on request.

2.3 Other hazards

No data available

3. Composition / information on ingredients:

3.1/3.2 Substances/Mixtures

Description

Mixture of synthetic resins

Hazardous ingredients

4. First aid measures:

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps. Remove contaminated, saturated clothing immediately.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap.

Do not wash with:

Solvents/Thinner

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Do not induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Firefighting measures:

Additional information

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings. Do not inhale explosion and combustion gases. Burning produces heavy smoke. Do not allow run-off from fire-fighting to enter drains or water courses.

5.1 Extinguishing media

No data available

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters

Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus.

6. Accidental release measures:

6.1 Personal precautions, protective equipment and emergency procedures

No data available

6.2 Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

For containment

Suitable material for taking up:

Sand
Earth
Kieselguhr

6.4 Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

7. Handling and storage:

7.1 Precautions for safe handling

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff.

Protective measures

Advices on safe handling

Avoid:
Skin contact
Eye contact

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Store in a place accessible by authorized persons only. Keep/Store only in original container.

Hints on joint storage

Materials to avoid

Keep away from:
Strong acid
Alkali
Oxidising agent

Storage class

Non-combustible liquids
Non-combustible solids

Further information on storage conditions

Keep only in the original container in a cool, well-ventilated place.
Protect against:

Heat
UV-radiation/sunlight

Storage temperature

Value 5 - 35 °C

7.3 Specific end use(s)

No data available

8. Exposure controls/personal protection:

8.1 Control parameters

Remark

Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2 Exposure controls

Appropriate engineering controls

Technical measures to prevent exposure

Refer to chapter 7. No further action is necessary.

Personal protection equipment

Eye/face protection

Suitable eye protection:

Eye glasses with side protection

Skin protection

Suitable gloves type:

Gloves with long cuffs

Suitable material:

NBR (Nitrile rubber)

CR (polychloroprene, chloroprene rubber)

Breakthrough time (maximum wearing time) >480 min

Thickness of the glove material >0,4 mm

Wearing time with occasional contact (splashes): >480 min

Recommended glove articles

DIN-/EN-Norms:

DIN EN 374

Additional hand protection measures

Take recovery periods for skin regeneration.

Remark

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Body protection:

Suitable protective clothing:

Chemical protection clothing

Respiratory protection

Respiratory protection necessary at:

insufficient ventilation

dust formation

remark

Usually no personal respirative protection necessary.

9. Physical and chemical properties:

9.1 Information on basic physical and chemical properties

Appearance

Physical state

liquid

Colour

as per labelling

Odour

characteristic

parameter	Method - source - remark
pH	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	not determined
Flash point (°C)	250 °C EN ISO 2719
Evaporation rate	not determined
flammability	not determined
Upper explosion limit	not determined
Vapour pressure	not determined
Vapour density	not determined
Relative density	ca.0,93 g/cm ³ Temperature 20 °C
Fat solubility (g/L)	not determined
Water solubility (g/L)	The study does not need to be conducted because the substance is known to be insoluble in water.
Soluble (g/L) in	not determined
Partition coefficient: n-octanol/water	not determined
Auto-ignition temperature	not determined
Decomposition temperature	not determined
Dynamic viscosity	not determined
flow time	>150 S 4 DIN 53211
Kinematic viscosity	not determined

9.2 Other safety information

Solvent separation test (%) <3 %

10. Stability and reactivity:

10.1 Reactivity

No information available.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Materials to avoid

Alkali (lye)
Acid, concentrated
Oxidising agent

10.6 Hazardous decomposition products

No information available.

11. Toxicological information:

11.1 Information on toxicological effects

Serious eye damage/irritation

Assessment/classification

slightly irritant but not relevant for classification.

remark

reversible.

12. Ecological information:

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects

No information available.

13. Disposal considerations:

13.1 Waste treatment methods

Appropriate disposal / Product

Waste disposal according to official state regulations.

Appropriate disposal / Package

Contaminated packaging:

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning. Packing which cannot be properly cleaned must be thrown away.

Waste code product 080409

hazardous waste Yes.

Waste name

waste adhesives and sealants containing organic solvents or other hazardous substances

14. Transport information:

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	not applicable	not applicable	not applicable
14.2 Proper Shipping Name			
14.3 Class(es)			
14.4 Packing group			
14.5 ENVIRONMENTALLY HAZARDOUS			
14.6 Special precautions for user			
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code			

Special precautions for user

Transportation inside the factory premises: Transportation only in closed, upright and safed containers. Make sure that persons who handle the product are instructed and know what to do in case of accidental spill.

15. Regulatory information:

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

EU legislation

Other regulations (EU)

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOCguideline).

Volatile organic compounds (VOC) content in percent by weight: 0 Wt %

VOC-value (in g/L): 5 g/L

15.2 Chemical Safety Assessment

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

16. Other information:

Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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

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GHB 3 492 506 01; GHB 4 492 510 01

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

No data available

1.3 Details of the supplier of the safety data sheet

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Remark

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2 Label elements

No data available

2.3 Other hazards

No data available

3. Composition / information on ingredients:

3.1/3.2 Substances/Mixtures

Description

Hardener on acid base

Hazardous ingredients

4. First aid measures:

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice. Remove contaminated, saturated clothing immediately.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

Following skin contact

Wash immediately with:

Water and soap

Do not wash with:

Solvents/Thinner

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Do not induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Firefighting measures:

Additional information

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings. Do not inhale explosion and combustion gases. Burning produces heavy smoke. Use water spray jet to protect personnel and to cool endangered containers. Do not allow run-off from fire-fighting to enter drains or water courses.

5.1 Extinguishing media

No data available

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters

Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus.

6. Accidental release measures:

6.1 Personal precautions, protective equipment and emergency procedures

No data available

6.2 Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Ensure waste is collected and contained.

6.3 Methods and material for containment and cleaning up

For containment

Suitable material for taking up:

Sand

Earth

Kieselguhr

Water (with cleaning agent)

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

7. Handling and storage:

7.1 Precautions for safe handling

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

Protective measures

Advices on safe handling

Never use pressure to empty container. Use only in well-ventilated areas.

Measures to prevent fire

No special fire protection measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in a place accessible by authorized persons only. Keep container tightly closed.

Hints on joint storage

Materials to avoid

Keep away from:

Strong acid

Alkali

Oxidising agent

Storage class

Non-combustible liquids

Non-combustible solids

Further information on storage conditions

Keep only in the original container in a cool, well-ventilated place.

Storage temperature

Value 5 - 35 °C

7.3 Specific end use(s)

No data available

8. Exposure controls/personal protection:

8.1 Control parameters

No data available

8.2 Exposure controls

Appropriate engineering controls

Technical measures to prevent exposure

Refer to chapter 7. No further action is necessary.

Personal protection equipment

Eye/face protection

Suitable eye protection:

Eye glasses with side protection

Skin protection

Suitable gloves type:

Gloves with long cuffs

Suitable material:

NBR (Nitrile rubber)

CR (polychloroprene, chloroprene rubber)

Thickness of the glove material >0,4 mm

Wearing time with occasional contact (splashes): >480 min

Additional hand protection measures

Take recovery periods for skin regeneration. Check leak tightness/impermeability prior to use.

Body protection:

Suitable protective clothing:

Chemical protection clothing

Respiratory protection

Respiratory protection necessary at:

Insufficient ventilation

9. Physical and chemical properties:

9.1 Information on basic physical and chemical properties

Appearance

Physical state

Liquid

Colour

as per labelling

Odour

Characteristic

	parameter	Method - source - remark
pH		not determined
Melting point/freezing point		not determined
Initial boiling point and boiling range		not determined
Flash point (°C)	300 °C	EN ISO 2719
Evaporation rate		not determined
flammability		not determined
Upper explosion limit		not determined
Vapour pressure		not determined
Vapour density		not determined
Relative density	ca.0,95 g/cm ³ at °C: 20 °C	
Fat solubility (g/L)		not determined
Water solubility (g/L)		The study does not need to be conducted because the substance is known to be insoluble in water.
Soluble (g/L) in		not determined
Partition coefficient: n-octanol/water		not determined

Auto-ignition temperature			not determined
Decomposition temperature			not determined
Explosives			not determined
Dynamic viscosity			not determined
flow time	>150 S	at °C: 20 °C	4 DIN 53211
Kinematic viscosity			not determined

9.2 Other safety information

Solvent separation test (%) <3 %

10. Stability and reactivity:

10.1 Reactivity

No information available.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Materials to avoid

Alkali (lye)
Acid, concentrated
Oxidising agent

10.6 Hazardous decomposition products

No information available.

11. Toxicological information:

11.1 Information on toxicological effects

Serious eye damage/irritation

In vitro eye test

slightly irritant but not relevant for classification.

remark

reversible.

12. Ecological information:

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects

No information available.

13. Disposal considerations:

13.1 Waste treatment methods

Appropriate disposal / Product

Waste disposal according to official state regulations.

Appropriate disposal / Package

Contaminated packaging:

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning. Packing which cannot be properly cleaned must be thrown away.

Waste code product 080409

Special monitoring requiring wastes: Yes.

Waste name

Waste adhesives and sealants containing organic solvents or other dangerous substances

14. Transport information:

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	not applicable	not applicable	not applicable
14.2 Proper Shipping Name			
14.3 Class(es)			
14.4 Packing group			
14.5 ENVIRONMENTALLY HAZARDOUS			
14.6 Special precautions for user			
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code			

Special precautions for user

Transportation inside the factory premises: Transportation only in closed, upright and safed containers. Make sure that persons who handle the product are instructed and know what to do in case of accidental spill.

15. Regulatory information:

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

