

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALPA-SEP SUPER

Version 1.1

Revision Date 12.09.2012

Print Date 13.09.2012

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

#### 1.1 Product identifier

Trade name : ALPA-SEP SUPER

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

Use of the Sub-  
stance/Mixture : Separating agent

#### 1.3 Details of the supplier of the safety data sheet

##### Manufacturer/Supplier

CHT R. BEITLICH GMBH  
Bismarckstraße 102  
72072 Tübingen  
Germany  
Tel.: +49(0)70 71 15 40  
info@cht.com

BEZEMA AG  
Kriessernstrasse 20  
9462 Montlingen  
Switzerland  
Tel.: +41(0)71 763 88 11  
bezema@bezema.com

Importer : -  
-  
-  
-  
-  
-

Responsible Department : CHT R. BEITLICH GMBH  
BEZEMA AG  
Product Safety  
msds@cht.com  
product.safety@bezema.com

#### 1.4 Emergency telephone number

Emergency telephone : +49(0)70 71 15 40 (Germany, 24 hours)  
number : +41(0)71 763 88 11 (Switzerland, 24 hours)

### 2. Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2 H225: Highly flammable liquid and vapour.

Skin irritation, Category 2 H315: Causes skin irritation.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALPA-SEP SUPER

Version 1.1

Revision Date 12.09.2012

Print Date 13.09.2012

Specific target organ toxicity - single exposure, Category 3

H336: May cause drowsiness or dizziness.

Aspiration hazard, Category 1

H304: May be fatal if swallowed and enters airways.

Chronic aquatic toxicity, Category 2

H411: Toxic to aquatic life with long lasting effects.

### Classification (67/548/EEC, 1999/45/EC)

Highly flammable

R11: Highly flammable.

Irritant

R38: Irritating to skin.

Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Harmful

R65: Harmful: may cause lung damage if swallowed.  
R67: Vapours may cause drowsiness and dizziness.

## 2.2 Label elements

### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word

: Danger

Hazard statements

: H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

: **Prevention:**  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P243 Take precautionary measures against static discharge.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALPA-SEP SUPER

Version 1.1

Revision Date 12.09.2012

Print Date 13.09.2012

P304 + P340 Rinse skin with water/ shower.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P331 Do NOT induce vomiting.  
**Storage:**  
P403 + P235 Store in a well-ventilated place. Keep cool.

Hazardous components which must be listed on the label:

- 64742-49-0 low boiling point hydrogen treated naphtha

### 2.3 Other hazards

According to our present knowledge the product does not contain persistent, bioaccumulative and toxic substances (PBT substances) or very persistent and very bioaccumulative (vPvB substances) as defined in Annex XIII of the Regulation (EG) No 1907/2006 (REACH), respectively.

## 3. Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
low boiling point hydrogen treated naphtha	64742-49-0 265-151-9	F; R11 Xi; R38 N; R51/53 Xn; R65 R67	Flam. Liq. 2; H225 Skin Irrit. 2; H315 STOT SE 3; H336 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	<= 100

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

## 4. First aid measures

### 4.1 Description of first aid measures

General advice : Take off all contaminated clothing immediately.  
Show this safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.  
If breathing is irregular or stopped, administer artificial respiration.  
Keep patient warm and at rest.  
If unconscious place in recovery position and seek medical advice.  
Consult a physician.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALPA-SEP SUPER

Version 1.1

Revision Date 12.09.2012

Print Date 13.09.2012

- In case of skin contact : Wash off immediately with soap and plenty of water.  
If symptoms persist, call a physician.
- In case of 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.  
Call a physician immediately.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do NOT induce vomiting.  
Call a physician immediately.  
Aspiration hazard if swallowed - can enter lungs and cause damage.

### 4.2 Most important symptoms and effects, both acute and delayed

- Risks : Refer to section 2 and 11.

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

- Treatment : No information available.

## 5. Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Water spray jet  
Dry powder  
Alcohol-resistant foam

- Unsuitable extinguishing media : High volume water jet

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

- Specific hazards during fire-fighting : Vapors may spread long distances and ignite.  
Explosive properties  
Cool closed containers exposed to fire with water spray.  
Hazardous decomposition products formed under fire conditions.  
Can be released in case of fire:  
Carbon oxides

### 5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : In case of fire do not inhale smoke, conflagration gases and steams.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALPA-SEP SUPER

Version 1.1

Revision Date 12.09.2012

Print Date 13.09.2012

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

### 6. Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation, especially in confined areas.  
Vapors may spread long distances and ignite.  
Remove all sources of ignition.  
Explosive properties  
Keep people away from and upwind of spill/leak.

#### 6.2 Environmental precautions

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.  
If the product contaminates rivers and lakes or drains inform respective authorities.  
Pay attention to local or official regulations.

#### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Pick up and transfer to properly labelled containers.  
Dispose of in accordance with local regulations.  
Clean contaminated surface thoroughly.

#### 6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

### 7. Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.  
Provide exhaust ventilation close to floor level.  
Remove all sources of ignition.  
Avoid formation of aerosol.  
Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.  
Mixture may charge electrostatically: always use earthing leads when transferring from one container to another.  
Keep container closed when not in use.

Advice on protection against : When transferring from one container to another apply earth-

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALPA-SEP SUPER

Version 1.1

Revision Date 12.09.2012

Print Date 13.09.2012

fire and explosion : ing measures and use conductive hose material.  
Take measures to prevent the build up of electrostatic charge.  
Processing may lead to evolution of flammable volatiles.  
Vapours are heavier than air and may spread along floors.  
Vapours may form explosive mixture with air.  
Keep away from heat and sources of ignition.

Fire-fighting class : Fires involving liquids or liquid containing substances. Also includes substances which become liquid at elevated temperatures.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a cool, well-ventilated place.  
Store in original container.  
Provide collection vat.

Further information on storage conditions : Store in a cool place. Heat will increase pressure and may lead to the container exploding.  
Keep away from heat and direct sunlight.

Advice on common storage : Do not store together with:  
Oxidizing agents  
Keep away from combustible materials.

German storage class : 3 Flammable Liquids

### 7.3 Specific end use(s)

Note : Consult the technical guidelines for the use of this substance/mixture.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

#### Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

#### Personal protective equipment

Respiratory protection : In case the work place is not ventilated sufficiently and during spray processing, it is necessary to wear respiratory protective equipment.  
Recommended Filter type:  
Combination filter A/P

Hand protection : Nitrile rubber

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALPA-SEP SUPER

Version 1.1

Revision Date 12.09.2012

Print Date 13.09.2012

Protective index Class 6  
Break through time: > 480 min  
Glove thickness: > 0,35 mm

: The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.  
The obtained break through times according to EN 374 Part III are not measured under normal operating conditions. Therefore a maximum usage time of 50% of the break through time is recommended.

Eye protection : Safety glasses

Skin and body protection : Wear suitable protective clothing.

Hygiene measures : Avoid contact with skin, eyes and clothing.  
Do not breathe vapours, aerosols.  
Take off all contaminated clothing immediately.  
Handle in accordance with good industrial hygiene and safety practice.

### Environmental exposure controls

General advice : The product should not be allowed to enter drains, water courses or the soil.  
If the product contaminates rivers and lakes or drains inform respective authorities.  
Pay attention to local or official regulations.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : colourless

Odour : characteristic

Flash point : < 18 °C  
Method: DIN 51755 Part 1

Ignition temperature : > 200 °C

Lower explosion limit : 1,0 %(V)  
Product is not explosive. However, formation of explosive air/steam mixtures is possible.

Upper explosion limit : 7,3 %(V)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALPA-SEP SUPER

Version 1.1

Revision Date 12.09.2012

Print Date 13.09.2012

Product is not explosive. However, formation of explosive air/steam mixtures is possible.

Oxidizing properties	: not applicable
Auto-ignition temperature	: not auto-flammable
pH	: not applicable
Melting point/range	: no data available
Boiling point/boiling range	: 60 - 95 °C at 1.013 hPa
Vapour pressure	: 190 hPa at 20 °C
Density	: 0,725 g/cm <sup>3</sup> at 20 °C
Water solubility	: insoluble
Partition coefficient: n-octanol/water	: not applicable
Viscosity, dynamic	: no data available
Relative vapor density	: not applicable
Evaporation rate	: no data available

### 9.2 Other information

Conductivity	: Not determined
--------------	------------------

## 10. Stability and reactivity

### 10.1 Reactivity

No hazards to be specially mentioned.

### 10.2 Chemical stability

The product is chemically stable.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	: Vapours may form explosive mixture with air.
---------------------	------------------------------------------------

### 10.4 Conditions to avoid

Conditions to avoid	: not applicable
---------------------	------------------



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALPA-SEP SUPER

Version 1.1

Revision Date 12.09.2012

Print Date 13.09.2012

### 10.5 Incompatible materials

Materials to avoid : not applicable

### 10.6 Hazardous decomposition products

Hazardous decomposition products : No decomposition if stored and applied as directed.

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Acute oral toxicity : LD50: > 2.000 mg/kg  
Species: rat  
Argument by analogy

Acute dermal toxicity : No data is available on the product itself.

Skin irritation : Has a degreasing effect on the skin.  
Prolonged skin contact may cause skin irritation.  
: Result: Irritating to skin.

Eye irritation : Contact with eyes may cause irritation.

Sensitisation : No known sensitising effect.

#### Aspiration hazard

Aspiration toxicity  
low boiling point hydrogen  
treated naphtha : May be fatal if swallowed and enters airways.

**Further information** : Inhalation of vapours is irritating to the respiratory system,  
may cause throat pain and cough.  
Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.  
Concentrations substantially above the admissible concentration at the workplace may cause unconsciousness.  
Aspiration hazard if swallowed - can enter lungs and cause damage.  
Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALPA-SEP SUPER

Version 1.1

Revision Date 12.09.2012

Print Date 13.09.2012

### 12. Ecological information

#### 12.1 Toxicity

Toxicity to fish : No data is available on the product itself.

Toxicity to daphnia and other aquatic invertebrates : No data is available on the product itself.

Toxicity to algae : No data is available on the product itself.

Toxicity to bacteria : No data is available on the product itself.

#### 12.2 Persistence and degradability

Biodegradability : No data is available on the product itself.

#### 12.3 Bioaccumulative potential

Bioaccumulation : No data is available on the product itself.

#### 12.4 Mobility in soil

Mobility : no data available

#### 12.5 Results of PBT and vPvB assessment

According to our present knowledge the product does not contain persistent, bioaccumulative and toxic substances (PBT substances) or very persistent and very bioaccumulative (vPvB substances) as defined in Annex XIII of the Regulation (EG) No 1907/2006 (REACH), respectively.

#### 12.6 Other adverse effects

Adsorbed organic bound halogens (AOX) : Because of the components, which do not contain any organic halogens, this product does not increase the AOX-values in the waste water.

Additional ecological information : According to our knowledge, the product does not contain heavy metals and other compounds of EC directive 2000/60 EC.

### 13. Disposal considerations

#### 13.1 Waste treatment methods

Product : Pay attention to local or official regulations.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALPA-SEP SUPER

Version 1.1

Revision Date 12.09.2012

Print Date 13.09.2012

Contaminated packaging : Pay attention to local or official regulations.

### 14. Transport information

#### 14.1 UN number

IMDG : UN 3295  
IATA : UN 3295

#### 14.2 Proper shipping name

IMDG : HYDROCARBONS, LIQUID, N.O.S.  
IATA : HYDROCARBONS, LIQUID, N.O.S.

#### 14.3 Transport hazard class

IMDG : 3  
IATA : 3

#### 14.4 Packing group

IMDG  
Packaging group : II  
Labels : 3  
EmS Number : F-E, S-D  
IATA  
Packaging group : II  
Labels : 3  
Packing instruction (cargo aircraft) : 364  
Packing instruction (passenger aircraft) : 353  
Packing instruction (passenger aircraft) : Y341

#### 14.5 Environmental hazards

IMDG  
Marine Pollutant : yes  
IATA  
Environmentally hazardous : no

#### 14.6 Special precautions for user

see chapter 6 - 8

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

Remarks : not applicable

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ALPA-SEP SUPER

Version 1.1

Revision Date 12.09.2012

Print Date 13.09.2012

### 15. Regulatory information

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

Components In accordance with Regulation (EC) No. 648/2004 on detergents : This product is not subject to the Regulation on Detergents.

#### 15.2 Chemical Safety Assessment

This information is not available.

### 16. Other information

#### Full text of R-phrases referred to under sections 2 and 3

R11	Highly flammable.
R38	Irritating to skin.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness.

#### Full text of H-Statements referred to under sections 2 and 3.

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

#### Further information

Other information : This data sheet contains changes from the previous version in section(s):  
14

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.