

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : KORASILON Trennmittel M (neu)  
Article number : 14005-15  
Revision date : 14.04.2015  
Print date : 14.04.2015  
Version (Revision) : 1.0.0 (4.0.2)

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

### 1.1 Product identifier

KORASILON Trennmittel M (neu) (14005-15)

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

#### Relevant identified uses

Aerosol Release agent

#### Uses advised against

No information available.

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

#### Supplier (manufacturer/importer/only representative/downstream user/distributor)

Kurt Obermeier GmbH & Co. KG  
Spezialchemikalien Holzschutz

Street : Berghäuser Str. 70

Postal code/city : 57319 Bad Berleburg

Telephone : 0049 (0) 2751/524-0

Telefax : 0049 (0) 2751/5041

Information contact : E-Mail: sdb@obermeier.de

### 1.4 Emergency telephone number

+49 2751/524-113 (Mo-Fr 08:00-16:00 / 8.00am-4.00pm)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Aquatic Chronic 2 ; H411 - Hazardous to the aquatic environment : Category 2 ; Toxic to aquatic life with long lasting effects.

Asp. Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Aerosol 1 ; H222 - Flammable aerosols : Category 1 ; Extremely flammable aerosol.

Aerosol 1 ; H229 - Flammable aerosols : Category 1 ; Pressurised container: May burst if heated.

STOT SE 3 ; H336 - STOT-single exposure : Category 3 ; May cause drowsiness or dizziness.

#### Classification procedure

Calculation method.

### 2.2 Label elements

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

##### Hazard pictograms



Flame (GHS02) · Environment (GHS09) · Exclamation mark (GHS07)

##### Signal word

Danger

##### Hazard components for labelling

NAPHTHA (PETROLEUM), HYDROTREATED LIGHT ; CAS No. : 64742-49-0

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## Hazard statements

H222 Extremely flammable aerosol.  
H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

## Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
P501 Dispose of contents/container to appropriate disposal.

## Additional information

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

### 2.3 Other hazards

Caution! Container under pressure.

## SECTION 3: Composition / information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

NAPHTHA (PETROLEUM), HYDROTREATED LIGHT ; REACH registration No. : 01-2119484651-34 ; EC No. : 931-254-9; CAS No. : 64742-49-0

Weight fraction :  $\geq 20 - < 30$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Asp. Tox. 1 ; H304 Skin Irrit. 2 ; H315 STOT SE 3 ; H336 Aquatic Chronic 2 ; H411

BUTANE ; EC No. : 203-448-7; CAS No. : 106-97-8

Weight fraction :  $\geq 20 - < 30$  %  
Classification 1272/2008 [CLP] : Flam. Gas 1 ; H220 Press. Gas (Liq.) ; H280

PENTANE ; EC No. : 203-692-4; CAS No. : 109-66-0

Weight fraction :  $\geq 20 - < 30$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Asp. Tox. 1 ; H304 STOT SE 3 ; H336 Aquatic Chronic 2 ; H411

PROPANE ; EC No. : 200-827-9; CAS No. : 74-98-6

Weight fraction :  $\geq 1 - < 10$  %  
Classification 1272/2008 [CLP] : Flam. Gas 1 ; H220 Press. Gas (Liq.) ; H280

ISOBUTANE ; EC No. : 200-857-2; CAS No. : 75-28-5

Weight fraction :  $\geq 1 - < 10$  %  
Classification 1272/2008 [CLP] : Flam. Gas 1 ; H220 Press. Gas (Liq.) ; H280

#### Further ingredients

POLYDIMETHYLSILOXANE

#### Additional information

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

# Safety Data Sheet

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## General information

Change contaminated, saturated clothing. 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.

## Following inhalation

Remove casualty to fresh air and keep warm and at rest. Provide fresh air.

## In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. Rub greasy ointment into the skin. In case of skin reactions, consult a physician.

## After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

## After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water.

## Self-protection of the first aider

First aider: Pay attention to self-protection!

## Information to physician

### Treatment

Treat symptomatically.

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

Vapours may cause drowsiness and dizziness. Causes skin irritation.

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

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>) alcohol resistant foam Extinguishing powder Sand

#### Unsuitable extinguishing media

Full water jet

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

None

### 5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### 5.4 Additional information

None

## SECTION 6: Accidental release measures

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

Take the precautions customary when handling chemicals. Use personal protection equipment. Keep away from ignition sources on account of the organic solvent content and air room well. Do not inhale vapours. See protective measures under point 7 and 8.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

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

# Safety Data Sheet

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## For cleaning up

Take up mechanically. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal. Do not rinse down with water.

## 6.4 Reference to other sections

None

## 6.5 Additional information

No data available

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes.

#### Protective measures

Use only in well-ventilated areas. Do not breathe gas/fumes/vapour/spray. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

#### Measures to prevent fire

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges.

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

#### Requirements for storage rooms and vessels

Keep/Store only in original container. Protect against direct sunlight. Ensure adequate ventilation of the storage area.

#### Hints on joint storage

Storage class (TRGS 510) : 2B

#### Further information on storage conditions

Keep only in the original container in a cool, well-ventilated place. Heating causes rise in pressure with risk of bursting.

### 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

NAPHTHA (PETROLEUM), HYDROTREATED LIGHT ; CAS No. : 64742-49-0

Limit value type (country of origin) : TWA ( D )

Limit value : 170 ppm

Version :

BUTANE ; CAS No. : 106-97-8

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 1000 ppm / 2400 mg/m<sup>3</sup>

Peak limitation : 4(II)

Version : 02.04.2014

PENTANE ; CAS No. : 109-66-0

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 1000 ppm / 3000 mg/m<sup>3</sup>

Peak limitation : 2(II)

Remark : Y

Version : 02.04.2014

Limit value type (country of origin) : TWA ( EC )

Limit value : 1000 ppm / 3000 mg/m<sup>3</sup>

Version : 07.02.2006

# Safety Data Sheet

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Version (Revision) : 1.0.0 (4.0.2)

PROPANE ; CAS No. : 74-98-6

Limit value type (country of origin) : TRGS 900 ( D )  
Limit value : 1000 ppm / 1800 mg/m<sup>3</sup>  
Peak limitation : 4(II)  
Version : 02.04.2014

ISOBUTANE ; CAS No. : 75-28-5

Limit value type (country of origin) : TRGS 900 ( D )  
Limit value : 1000 ppm / 2400 mg/m<sup>3</sup>  
Peak limitation : 4(II)  
Version : 02.04.2014

## Biological limit values

No data available

## DNEL/DMEL and PNEC values

### DNEL/DMEL

No data available

### PNEC

No data available

## 8.2 Exposure controls

### Personal protection equipment

#### Eye/face protection

Eye glasses with side protection

#### Skin protection

##### Hand protection

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.

**Suitable material** : NBR (Nitrile rubber)

**Breakthrough time (maximum wearing time)** : 480 minutes. Check leak tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Thickness of the glove material** : 0,4 mm

#### Respiratory protection

Respiratory protection necessary at: insufficient ventilation exceeding exposure limit values Handling larger quantities. aerosol or mist formation.

##### Suitable respiratory protection apparatus

Filtering device with filter or ventilator filtering device of type: A

### General health and safety measures

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing. Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuffs.

## 8.3 Additional information

No data available

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state** : Aerosol

**Colour** : colourless

#### Odour

light.

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## Safety relevant basis data

Solidifying point :	( 1 bar / 1 Pa )	No data available	Brookfield
Melting point/melting range :		No data available	
Freezing point :		No data available	
Initial boiling point and boiling range :		not applicable	
Decomposition temperature :		No data available	
Flash point :		ca. -60 °C	
Ignition temperature :		ca. 200 °C	
Lower explosion limit :		ca. 1 Vol-%	
Upper explosion limit :		ca. 8,5 Vol-%	
Vapour pressure :	( 20 °C )	ca. 2000 hPa	
Density :	( 20 °C )	ca. 0,63 g/cm <sup>3</sup>	
Solvent separation test :	( 20 °C )	No data available	
Solubility in water		Not miscible or difficult to mix	
Fat solubility :	( 20 °C )	No data available.	
PH :	( 20 °C )	not applicable	
log P O/W :		No data available	
Viscosity :	( 20 °C )	No data available	
Odour threshold :		No data available	
Relative vapour density :	( 20 °C )	No data available	
Evaporation rate :		No data available	
Vapourisation rate :		not applicable	
Maximum VOC content (EC) :		ca. 92,5 Wt %	
VOC-value :		ca. 583 g/l	
Flammable solids :		No data available.	
Flammable gases :		No data available.	
Oxidising liquids :		No data available.	
Explosive properties :		No data available.	
Corrosive to metals :		No data available.	

## 9.2 Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known.

### 10.2 Chemical stability

When using the recommended storage and handling conditions (see Section 7).

### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

### 10.4 Conditions to avoid

Keep away from sources of ignition. - No smoking. Danger of bursting container.

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

No information available.

### 10.7 Additional information

No data available

## SECTION 11: Toxicological information

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## 11.1 Information on toxicological effects

### Acute effects

#### Acute oral toxicity

No data available

#### Acute dermal toxicity

No data available

#### Acute inhalation toxicity

No data available

### Specific symptoms in animal studies

No data available

### Irritant and corrosive effects

#### Primary irritation to the skin

Causes skin irritation.

#### Irritation to eyes

No data available

#### Irritation to respiratory tract

No data available

### Sensitisation

#### In case of skin contact

No data available

#### In case of inhalation

No data available

### Repeated dose toxicity (subacute, subchronic, chronic)

No data available

### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

#### Carcinogenicity

No data available

#### Germ cell mutagenicity

No data available

#### Reproductive toxicity

No data available

### STOT-single exposure

No data available

### STOT-repeated exposure

No data available

### Aspiration hazard

No data available

## 11.2 Toxicokinetics, metabolism and distribution

No data available

## 11.4 Other adverse effects

No data available

### Observations relevant to classification

May cause drowsiness or dizziness.

### Other observations

Has degreasing effect on the skin.

## 11.5 Additional information

No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

##### Acute (short-term) fish toxicity

No data available

##### Acute (short-term) daphnia toxicity

No data available

##### Acute (short-term) algae toxicity

No data available

##### Bacteria toxicity

No data available

#### Terrestrial toxicity

No data available

##### Toxicity to terrestrial plants

No data available

#### Effects in sewage plants

No data available

### 12.2 Persistence and degradability

#### Abiotic degradation

No data available

#### Biodegradation

No data available

### 12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

### 12.4 Mobility in soil

No data 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 data available

### 12.7 Additional ecotoxicological information

No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

## SECTION 14: Transport information

### 14.1 UN number

UN 1950

### 14.2 UN proper shipping name

#### Land transport (ADR/RID)

AEROSOLS, flammable ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT · PENTANE )

#### Sea transport (IMDG)



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AEROSOLS, flammable ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT · PENTANE )

#### Air transport (ICAO-TI / IATA-DGR)

AEROSOLS, FLAMMABLE ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT · PENTANE )

### 14.3 Transport hazard class(es)

#### Land transport (ADR/RID)

Class(es) : 2  
Classification code : 5F  
Hazard identification number (Kemler No.) : 23  
Tunnel restriction code : D  
Special provisions : LQ 2 · LQ 1 I · E 0  
Hazard label(s) : 2.1 / N

#### Sea transport (IMDG)

Class(es) : 2.1  
EmS-No. : F-D / S-U  
Special provisions : LQ 1 I · E 0  
Hazard label(s) : 2.1 / N

#### Air transport (ICAO-TI / IATA-DGR)

Class(es) : 2.1  
Special provisions : E 0  
Hazard label(s) : 2.1

### 14.4 Packing group

-

### 14.5 Environmental hazards

Land transport (ADR/RID) : Yes  
Sea transport (IMDG) : Yes (P)  
Air transport (ICAO-TI / IATA-DGR) : Yes

### 14.6 Special precautions for user

None

## SECTION 15: Regulatory information

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

#### EU legislation

##### Other regulations (EU)

Aerosol directive (75/324/EEC)

#### National regulations

##### Water hazard class (WGK)

Class : 2 (Hazardous to water) Classification according to VwVwS

### 15.2 Chemical Safety Assessment

No information available.

## SECTION 16: Other information

### 16.1 Indication of changes

02. Classification of the substance or mixture · 02. Label elements · 08. Occupational exposure limit values

### 16.2 Abbreviations and acronyms

REACH - Registration, Evaluation, Authorisation of Chemicals  
GHS - Globally Harmonised System of Classification and Labeling

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CLP - Classification, Labeling and Packaging of Substances and Mixtures  
CAS - Chemical Abstract Service  
TWA - Time Weighted Average  
DNEL/DMEL - Derived No Effect Level  
PNEC - Predicted No Effect Concentration  
STP - Sewage Treatment Plant  
TRGS - Technical Rules for Hazardous Substances (German Regulations)  
STEL - Short-term Exposure Limit  
TLV - threshold limit value  
AGW - Occupational threshold limit value  
RCP - Reciprocal Calculation Procedure  
ATE - Acute Toxicity Estimate  
MAK Threshold limit values Germany  
LD50 - Lethal Dose, 50%  
LC50 - Lethal concentration, 50%  
OECD - Organization for Economic Cooperation and Development  
NOAEL - No Observed Adverse Effect Level  
EC50 - half maximal effective concentration  
NOEC - No Observed Effect Concentration  
PBT - Persistent, Bioaccumulative, Toxic  
vPvB - very Persistent, very Bioaccumulative  
ADR/RID - European Agreement concerning the International Carriage of Dangerous Goods by Road (Accord européen relatif au transport international des marchandises Dangereuses par Route)/Regulations Concerning the International Transport of Dangerous Goods by Rail (Règlement concernant le transport International ferroviaire de marchandises Dangereuses)  
IMDG - International Maritime Dangerous Goods Code  
ICAO - International Civil Aviation Association  
IATA - International Air Transport Association  
VwVws - German administrative regulation on the classification of substances hazardous to water into water hazard classes

## 16.3 Key literature references and sources for data

None

## 16.4 Relevant H- and EUH-phrases (Number and full text)

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
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.

## 16.5 Training advice

None

## 16.6 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.