

Material Safety Data Sheet

according to ANSI Z400.1-2004



PEKASOL L

Print date: 07.03.2014

Product code: 11386-0009

Page 1 of 6

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

Product identifier

PEKASOL L

Chemical characterization (Mixture)

1,2-propanediol, CAS-No. 57-55-6, REACH registration number: 01-2119456809-23, > 50%

Details of the supplier of the safety data sheet

Company name: pro Kühlsole GmbH
Street: Am Langen Graben 37
Place: D-52353 Düren
Telephone: +49 2421 59196-0
Telefax: +49 2421 59196-10
Verantwortlich für das Sicherheitsdatenblatt: sds@gbk-ingelheim.de

Emergency telephone: Notrufnummer INTERNATIONAL: +49 (0) 6132 / 84463 (GBK GmbH, Ingelheim)

SECTION 2: Hazards identification

Route(s) of Entry

Skin and eye contact, inhalation and ingestion.

Signs and Symptoms of Exposure

No data available.

OSHA Hazard Communication: This material is not considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

Carcinogenicity (NTP): Not listed
Carcinogenicity (IARC): Not listed
Carcinogenicity (OSHA): Not listed

Other hazards

High risk of slipping due to leakage/spillage of product.

SECTION 3: Composition/information on ingredients

Mixtures

SECTION 4: First aid measures

Description of first aid measures

General information

Remove contaminated soaked clothing immediately.
In the event of persistent symptoms receive medical treatment.

After inhalation

Move to fresh air in case of accidental inhalation of vapours.
In the event of symptoms refer for medical treatment.

After contact with skin

Wash off immediately with soap and plenty of water.
Consult a doctor if skin irritation persists.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Seek medical treatment by eye specialist.

After ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.

Material Safety Data Sheet

according to ANSI Z400.1-2004



PEKASOL L

Print date: 07.03.2014

Product code: 11386-0009

Page 2 of 6

Consult a physician.

Indication of any immediate medical attention and special treatment needed

Treat symptoms.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, dry chemical, carbon dioxide (CO₂), water-spray.
Cool containers at risk with water spray jet.

Unsuitable extinguishing media

Full water jet

Special hazards arising from the substance or mixture

Fire may produce: Carbon monoxide and carbon dioxide. Under certain fire conditions traces of other toxic substances cannot be excluded.

Advice for firefighters

Use breathing apparatus with independent air supply.
Wear full protective suit.

Additional information

Collect contaminated fire-fighting water, avoid any release into the sewerage. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.
Suppress gases/vapours/mists with water spray jet

Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
Shovel into suitable container for disposal.

Reference to other sections

Information for disposal look up chapter 13.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Do not inhale vapour/aerosol.
Use only in thoroughly ventilated areas.
Avoid contact with eyes, skin or mucous membrane.
Ensure adequate ventilation, especially in confined areas.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.
Keep only in original container.

Advice on storage compatibility

Keep away from food, drink and animal feeding stuffs.

Material Safety Data Sheet

according to ANSI Z400.1-2004



PEKASOL L

Print date: 07.03.2014

Product code: 11386-0009

Page 3 of 6

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure controls



Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

Take off immediately all contaminated clothing.

Eye/face protection

Tightly fitting goggles (EN 166)

Eye wash bottle with pure water.

Hand protection

Chemical-resistant gloves (EN 374) Suitable materials also for extended, direct contact (recommended: protection index 6, corresponding to a permeation rate > 480 minutes according to EN 374): Nitrile rubber, butyl rubber.

Follow the recommendations of the glove manufacturer for breakthrough properties especially for workplace conditions involving mechanical stress and contact duration.

Skin protection

Long sleeved clothing.

Respiratory protection

No personal respiratory protective equipment normally required.

Breathing apparatus in the event of aerosol or mist formation.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Liquid
Color:	Colourless, clear
Odor:	Odourless

pH-Value (at 20 °C): 8 - 10

Changes in the physical state

Melting point:	n.a.
Initial boiling point and boiling range:	approx. 190 °C
Flash point:	101 °C
Lower explosion limits:	2,6 vol. %
Upper explosion limits:	12,6 vol. %
Vapour pressure: (at 20 °C)	0,1 hPa
Density (at 20 °C):	1,048-1,050 g/cm ³

Test method

Material Safety Data Sheet

according to ANSI Z400.1-2004



PEKASOL L

Print date: 07.03.2014

Product code: 11386-0009

Page 4 of 6

Water solubility: (at 20 °C)	Completely miscible
Ignition temperature:	371 °C
Explosive properties	The product is not explosive
Oxidizing properties	The product is not self-igniting.
Solvent content:	0 %

Other information

No data available.

SECTION 10: Stability and reactivity

Stability:	Stable
Possibility of Hazardous Reactions:	Will not occur

Conditions to avoid

No data available.

Incompatible materials

Strong oxidizing agents..

Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Further information

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.
Health injuries are not known or expected under normal use.

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitizing effects

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

Toxicity

Ecological data are not available.

Persistence and degradability

Liable to easy biological disintegration.

Bioaccumulative potential

Not determined.

Material Safety Data Sheet

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PEKASOL L

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Product code: 11386-0009

Page 5 of 6

Mobility in soil

Not determined.

Results of PBT and vPvB assessment

Not determined.

Other adverse effects

Slightly water hazardous.

Further information

Do not release undiluted or in higher quantities into the groundwater, sewage system or waters.

SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal

Should not be disposed of with household waste. Do not flush into surface water or sanitary sewer system. Where possible recycling is preferred to disposal. The waste code number must be agreed with the disposer / manufacturer / competent authority.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of like the product.

Cleaning agent: Water

SECTION 14: Transport information

US DOT 49 CFR 172.101

Proper shipping name:

Not regulated.

Marine transport (IMDG)

Other applicable information

Non hazardous material as defined by the transport regulations.

Air transport (ICAO)

Other applicable information

Non hazardous material as defined by the transport regulations.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

SECTION 15: Regulatory information

U.S. Regulations

National Inventory TSCA

All of the components are listed on the TSCA inventory.

SARA

To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

SECTION 16: Other information

Hazardous Materials Information Label (HMIS)

Health:	1
Flammability:	1
Physical Hazard:	0

Material Safety Data Sheet

according to ANSI Z400.1-2004



PEKASOL L

Print date: 07.03.2014

Product code: 11386-0009

Page 6 of 6

NFPA Hazard Ratings

Health:	1
Flammability:	1
Reactivity:	0
Unique Hazard:	



Changes

Changes in chapter: 4, 8, 14, 15

Other data

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult Prescribing Information and expert information), but to release of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)