

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

- Product identifier
- Trade name: Vulcanizing solution L-1000
- Article number: H0308

Chemical characterization:

Solution of polyisoprene with inorganic fillers, black carbon and rubber chemicals in benzine.

Content: approx. 86% Hydrocarbon Mixture

CAS-No.: 64742-49-0

Details on the company/supplier:

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2.1 Hazards identification

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 2

H225 Highly flammable liquid and vapour.



GHS08 health hazard

Asp. Tox. 1

H304 May be fatal if swallowed and enters airways.



GHS09 environment

Aquatic Chronic 2

H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2

H315 Causes skin irritation.

STOT SE 3

H336 May cause drowsiness or dizziness.

- Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

- Hazard pictograms:



GHS02



GHS07



GHS08



GHS09

- Signal word: Danger



2.2 Hazards identification

- Hazard statements

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

- Precautionary statements

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P273 Avoid release to the environment.
- 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. Rinse skin with water/shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P331 Do NOT induce vomiting.
- P403+P235 Store in a well-ventilated place. Keep cool.

- Other hazards:

- Results of PBT and vPvB assessment

PBT: Not applicable | vPvB: Not applicable

3. Composition/information on ingredients

- Chemical characterization: Substances

- CAS No. Designation: 64742-49-0 Naphtha (petroleum), hydrotreated light

- Identification number(s):

- EC number: 265-151-9

- Index number: 649-328-00-1

- Additional information:

Content of benzene: < 0.1% (percentage by weight)

According to Annex VI, Note P - classification and labelling as carcinogenic (R45) is not required.

Additional information: For the wording of the listed risk phrases refer to section 16.



4. First aid measures

- **Description of first aid measures**

- **General information::**

Immediately remove any clothing contaminated by the product.

• **After inhalation:** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness bring patient into stable side position for transport.

• **After skin contact:** Instantly wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

• **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

• **After swallowing:** Do not induce vomiting; instantly call for medical help.
Do not induce vomiting - Danger of chemical pneumonia.

- **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5. Firefighting measures

- **Extinguishing media**

• **Suitable extinguishing agents:** Carbon dioxide (CO₂), extinguishing powder or water spray/fog.
Fight larger fires with water spray/fog or alcohol-resistant foam.

• **For safety reasons unsuitable extinguishing agents:** Water with a full water jet.

- **Special hazards arising from the substance or mixture:** Can form explosive vapour-air mixtures.

Danger of containers bursting because of high vapour pressure. Carbon monoxide (CO) and Carbon dioxide (CO₂)

- **Advice for firefighters**

• **Protective equipment:**

Put on breathing apparatus.

• **Additional information**

Collect contaminated fire fighting water separately. It must not enter drains.

6. Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Avoid contact with skin and eyes. Do not breathe vapour. Remove all ignition sources.

- **Environmental precautions:** Do not allow product to reach sewage system or water bodies. Inform respective authorities in case product reaches water or sewage system. Prevent material from reaching sewage system, holes and cellars.

- **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to item 13.

- **Reference to other sections:**

See Section 8 for information on personal protection equipment.



7. Handling and storage

- **Precautions for safe handling:** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Do not inhale aerosols. Avoid breathing vapours. Avoid contact with skin and eyes. Make sure that all applicable workplace limits are observed.
- **Information about protection against explosions and fires:** Fumes can combine with air to form an explosive mixture. Flammable fume/air mixtures may be formed in empty containers. Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
- **Storage:**
 - **Requirements to be met by storerooms and containers:** Store in cool location. Observe all local and national regulations for storage of water polluting products. Observe regulations for storage of flammable liquids.
 - **Information about storage in one common storage facility:** Store away from oxidizing agents. Observe regulations for storage of flammable liquids.
 - **Further information about storage conditions:** Store container in a well ventilated position. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers.
- **Specific end use(s):** No further relevant information available.

8. Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

Components with limit values that require monitoring at the workplace:
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Applicable PEL/OEL for hydrocarbons to be observed.

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

- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and food. Instantly remove any contaminated garments. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin. Wash hands during breaks and at the end of the work.
- **Breathing equipment:**
If all workplace limits are observed and good ventilation is ensured, no special precautions necessary.
- **Protection of hands:**
Solvent resistant gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Material of gloves:**
Nitrile rubber - NBR. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material:**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed..
- **Eye protection:** Safety glasses
- **Body protection:** Solvent resistant protective clothing.



9. Physical and chemical properties

Information on basic physical and chemical properties

- General Information / Appearance:

Form:	liquid
Colour:	black
Odour:	mild
Odour threshold:	not determined
pH-value:	not determined
Change in condition	
Boiling point/Boiling range:	80 °C
Melting point/Melting range:	not determined
Flash point:	- 12 °C
Inflammability (solid, gaseous):	not applicable.
Ignition temperature:	250 °C
Decomposition temperature:	not determined.
Self-inflammability:	Not determined.
Danger of explosion:	Product is not explosive.
Critical values for explosion: lower	0,8 Vol %
Critical values for explosion: Upper	8,0 Vol %
Vapor pressure at 20 °C:	85 mbar
Density at 20 °C:	not determined
Relative density:	0,76 g/cm ³
Vapour density:	not determined
Evaporation rate:	not determined
Solubility in / Miscibility with Water:	not miscible or difficult to mix
Partition coefficient (n-octanol/water):	not determined
Viscosity / dynamic at 20 °C:	ca. 1000 mPas
Viscosity / kinematic	not determined

Other information: No further relevant information available.

10. Stability and reactivity

- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** Flammable vapour-air mixtures may develop. Used empty containers may contain product gases which form explosive mixtures with air. Danger of containers bursting because of high vapour pressure. Forms explosive gases / fumes.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** Strong oxidizing agents.
- **Hazardous decomposition products:** Carbon monoxide (CO) and Carbon dioxide (CO₂)



11. Toxicological information

- Information on toxicological effects / Acute toxicity:

LD/LC50 values that are relevant for classification:

Oral	LD50	> 7000 mg/kg (rat)
Dermal	LD50	> 3000 mg/kg (rat)
Inhalative	LC50	84 - 88 mg/l/4h (rat)

- Primary irritant effect:

- **on the skin:** No irritant effect.

- **on the eye:** No irritant effect.

- **Sensitization:** No sensitizing effect known.

- Additional toxicological information:

Inhalation of concentrated vapours may lead to anaesthesia-like conditions and headache, dizziness, etc.

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

According to present knowledge no CMR-effects known.

12. Ecological information

General notes:

Also poisonous for fish and plankton in water bodies.

Water hazard class 1 (Assessment by list): slightly hazardous for water.

13. Disposal considerations

- Waste treatment methods

- Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.

- Waste disposal key number:

According to local/national regulations.

- European waste catalogue:

Waste disposal key numbers from EWC have to be assigned depending on origin and processing.

- Uncleaned packagings:

- **Recommendation:** Disposal must be made according to official regulations.



14. Transport information

Land transport ADR/RID und GGVSE:

ADR/RID class:	3
Hazard label:	3
Packing group:	II
UN-No.:	1268
Description of the goods:	Petroleum distillates, n.o.s., (Petroleum naphtha)

Sea transport IMDG/GGVSea:

IMDG/GGVSea class:	3
Hazard label:	3
UN-No.:	1268
Packing group:	II
EMS-No.:	F-E, S-E
MFAG:	310
Marine pollutant:	yes
Correct technical name:	Petroleum distillates, n.o.s., (Petroleum naphtha)

Air transport ICAO-TI / IATA-DGR:

ICAO/IATA class:	3
Hazard label:	3
UN/ID-No.:	1268
Packing group:	II
Correct technical name:	Petroleum distillates, n.o.s., (Petroleum naphtha)

15. Regulatory information

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

· National regulations

- Technical instructions (air):

Class: III

- Hazard statements

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16. Other 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.

Abbreviations and acronyms:

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 Organisation
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 Harmonised System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
Acute Tox. 4:	Acute toxicity, Hazard Category 4
Skin Irrit. 2:	Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2:	Serious eye damage/eye irritation, Hazard Category 2
Resp. Sens. 1:	Sensitisation - Respirat., Hazard Category 1
Skin Sens. 1:	Sensitisation - Skin, Hazard Category 1
Carc. 2:	Carcinogenicity, Hazard Category 2
STOT SE 3:	Specific target organ toxicity - Single exposure, Hazard Category 3
STOT RE 2:	Specific target organ toxicity - Repeated exposure, Hazard Category 2