

Material Safety Data Sheet

according to Regulation (EC) 1907/2006



Product name : REINIGER RE
Revision : 20.02.2014 **Version :** 18.0.0
Print date : 18.03.2014

Page : 1 / 8

01. Identification of the substance/preparation and of the company/undertaking

Product name

REINIGER RE

Use of the substance / preparation

REINIGUNGSMITTEL - CLEANING AGENT - PRODUIT DE NETTOYAGE - AGENTE LIMPIADOR

Manufacturer/Supplier

TECA-PRINT AG

Street/P.O.Box

Bohlstrasse 17, Postfach

Country code/Postal code/Town/City

CH - 8240 Thayngen/Schweiz

Telephone / Telefax

+41 (0) 52 645 20 00 / +41 (0) 52 645 21 01

Contact

info@teca-print.com

Emergency information

Schweizerisches Toxikologisches Infozentrum >>> 24 Stunden täglich : CH - nationaler Notruf für Vergiftungsnotfälle = 145
oder Telefon : +41 (0) 44 251 51 51

02. Hazards identification

Hazard designation

Directive 67/548/EEC or 1999/45/EC

Flammable. · Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. · Harmful: may cause lung damage if swallowed. · Irritating to respiratory system.
Classification : R 10 · N ; R 51/53 · Xn ; R 65 · Xi ; R 37 · R 67 · R 66

Regulation (EC) No 1272/2008 (GHS)

Flammable liquid and vapour. · May be fatal if swallowed and enters airways. · May cause respiratory irritation. · Toxic to aquatic life with long lasting effects.

Classification : Aquatic Chronic 2 ; H411 · Asp. Tox. 1 ; H304 · Flam. Liq. 3 ; H226 · STOT SE 3 ; H335 · STOT SE 3 ; H336

03. Composition/information on ingredients

Hazardous components

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. ; Registration number (EC) : 01-21194555851-3 ; EC-No. : 265-199-0; CAS-No. : 64742-95-6

Percentage : 50 - 75 %

Classification 67/548/EEC : R10 N ; R51/53 Xn ; R65 Xi ; R37 R67 R66

Classification 1272/2008 (GHS) : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 STOT SE 3 ; H335 STOT SE 3 ; H336 Aquatic Chronic 2 ; H411

N-BUTYL ACETATE ; EC-No. : 204-658-1; CAS-No. : 123-86-4

Percentage : 25 - 50 %

Classification 67/548/EEC : R10 R67 R66

Classification 1272/2008 (GHS) : Flam. Liq. 3 ; H226 STOT SE 3 ; H336

CYCLOHEXANONE ; EC-No. : 203-631-1; CAS-No. : 108-94-1

Percentage : 10 - 25 %

Classification 67/548/EEC : R10 Xn ; R20

Material Safety Data Sheet

according to Regulation (EC) 1907/2006



Product name : REINIGER RE
Revision : 20.02.2014 **Version :** 18.0.0
Print date : 18.03.2014

Page : 2 / 8

Classification 1272/2008 (GHS) : Flam. Liq. 3 ; H226 Acute Tox. 4 ; H332
(R)-P-MENTHA-1,8-DIENE ; EC-No. : 227-813-5; CAS-No. : 5989-27-5
Percentage : < 0,25 %
Classification 67/548/EEC : R10 N ; R50/53 R43 Xi ; R38
Classification 1272/2008 (GHS) : Flam. Liq. 3 ; H226 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Aquatic Chronic 1 ; H410

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

04. First aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Immediately remove all contaminated clothing. Unconsciousness: lateral position - call a physician.

After inhalation

Remove concerned person out of danger area. Take the casualty into the fresh air and keep warm. Let in fresh air. Irregular breathing/no breathing: artificial respiration.

After skin contact

Wash away with soap and water and rinse. Apply cream carefully to the cleaned skin.

After eye contact

Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion

Do not induce vomiting - call a physician. Keep at rest.

05. Firefighting measures

Suitable extinguishing media

Alcohol resistant foam, CO₂, powders, water spray.

Unsuitable extinguishing media

Waterjet.

Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Special protective equipment

In case of fire do not breathe fumes. When extinguishing fires, use breathing apparatus with an independent source of air.

Additional information

Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.

06. Accidental release measures

Personal precautions

Remove ignition sources. Provide for sufficient ventilation. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

Methods for cleaning up/collecting

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite,

Material Safety Data Sheet

according to Regulation (EC) 1907/2006



Product name : REINIGER RE
Revision : 20.02.2014 **Version :** 18.0.0
Print date : 18.03.2014

Page : 3 / 8

diatomaceous earth and place in container for disposal according to local regulations (see section 13).

07. Handling and storage

Information for safe handling

Prevent the creation of inflammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the OEL (=Occupational Exposure Limit). Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Comply with the health and safety at work laws.

Information about protection against explosions and fires

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Keep away from ignition sources and provide for good ventilation. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another.

Requirements to be met by storerooms and containers

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access.

Information about separation of incompatible products

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

Further information about storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight.

08. Exposure controls/personal protection

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Components with critical values that require monitoring at the workplace (exposure limits)

N-BUTYL ACETATE ; CAS-No. : 123-86-4

Specification : STEL (GB)
Value : 200 ml/m³ / 950 mg/m³
Version date : 01.01.1989

Specification : TWA (GB)
Value : 150 ml/m³ / 710 mg/m³
Version date : 01.01.1989

CYCLOHEXANONE ; CAS-No. : 108-94-1

Specification : STEL (EC)
Value : 20 ppm / 81,6 mg/m³
Remarks : H
Version date : 08.06.2000

Specification : TWA (EC)
Value : 10 ppm / 40,8 mg/m³
Remarks : H
Version date : 08.06.2000

Specification : STEL (GB)
Value : 100 ml/m³ / 400 mg/m³
Version date : 01.01.1989

Material Safety Data Sheet

according to Regulation (EC) 1907/2006



Product name : REINIGER RE
Revision : 20.02.2014 **Version :** 18.0.0
Print date : 18.03.2014

Page : 4 / 8

Specification : TWA (GB)
Value : 25 ml/m³ / 100 mg/m³
Version date : 01.01.1989

Personal protective equipment

General protective and hygiene measures

Do not eat or drink during work - no smoking.

Respiratory protection

If workplace limits are exceeded, a gas mask approved for this purpose must be worn.

Hand protection

Solvent-resistant protective gloves must be worn. After washing hands replace lost skin fat by fat containing skin creams. Avoid contact with the skin and mouth.

Eye protection

Use safety glasses.

Body protection

Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact. Use appropriate skin protection cream before work.

09. Physical and chemical properties

Image

Form : Liquid.
Colour : Clear.
Odour : Like solvent.

Relevant safety data

Boiling temperature / boiling range :	(1013 hPa)	124 - 180	°C	Literature value
Flash point :	ca.	27	°C	
Ignition temperature :		370 - 450	°C	
Lower explosion limit :		0,6	Vol-%	Literature value
Upper explosion limit :		10	Vol-%	Literature value
Vapour pressure :	(50 °C)	<	1000	hPa
Vapour pressure :	(20 °C)	ca.	9,6	hPa Literature value
Density :	(20 °C)		0,9	g/cm ³
Water solubility :	(20 °C)		insoluble	
PH value :			not applicable	

10. Stability and reactivity

Conditions to avoid

Stable under recommended storage and handling conditions(See section 7).

Materials to avoid

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Experience on practice

Material Safety Data Sheet

according to Regulation (EC) 1907/2006



Product name : REINIGER RE
Revision : 20.02.2014 **Version :** 18.0.0
Print date : 18.03.2014

Page : 5 / 8

This product is unlikely to harm health, given normal and proper handling and hygienic precautions. Prolonged inhalation of vapours in high concentrations may lead to headache, giddiness and nausea. In case of contact with the product: danger of resorption through the skin, irritation of skin/mucous membranes.

Additional toxicological information

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

12. Ecological information

Additional ecological information

General ecological information

Do not empty into waters or drains. Toxic effect on fishes and micro-organisms.

13. Disposal considerations

Product

Do not empty into waters or drains. Can be taken to a suitable incineration centre in observance of local regulations. Recycling possible, contact manufacturer.

Waste key

ABFALLSCHLÜSSEL nach AVV/EWC 14 06 03 Andere Lösemittel und Lösemittelgemische.
Die empfohlene Abfalleinstufung bezieht sich nur auf den reinen Lösemittelabfall.

Contaminated packaging

Recommendation

Empty containers should be scrapped or reconditioned. Containers, which have not been emptied properly must be treated as special waste.

14. Transport information

Land transport ADR/RID

Classification

Class : 3 **Kemlercode :** 30
UN number : 1210 **Classification-Code :** F1

LQ 7 · E 1 · Tunnel restriction code : D/E

Proper shipping name

PRINTING INK RELATED MATERIAL

Packaging

Packaging group : III
Label : 3

Maritime transport IMDG/GGVSea

Classification

IMDG-Code : 3 **EmS number :** F-E / S-D
UN number : 1210 **Marine Poll. :** -

LQ 5 I · E 1

Proper shipping name

PRINTING INK RELATED MATERIAL

Packaging

Packaging group : III
Label : 3

Air transport ICAO-TI and IATA-DGR

Material Safety Data Sheet

according to Regulation (EC) 1907/2006



Product name : REINIGER RE
Revision : 20.02.2014 **Version :** 18.0.0
Print date : 18.03.2014

Page : 6 / 8

Classification

Class : 3
UN number : 1210
E 1

Proper shipping name

PRINTING INK RELATED MATERIAL

Packaging

Packaging group : III
Label : 3

15. Regulatory information

Labelling (67/548/EEC or 1999/45/EC)

Danger symbol and danger designation



Xn ; Harmful



N ; Dangerous for the environment

R-phrases

10 Flammable.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if swallowed.
37 Irritating to respiratory system.
67 Vapours may cause drowsiness and dizziness.
66 Repeated exposure may cause skin dryness or cracking.

S-phrases

29/35 Do not empty into drains; dispose of this material and its container in a safe way.
61 Avoid release to the environment. Refer to special instructions / safety data sheet.
62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
51 Use only in well-ventilated areas.
24 Avoid contact with skin.

Special designation for certain preparations

99 Contains .May produce an allergic reaction.

Regulation (EC) No 1272/2008 (GHS)

Classification

Hazard classes and hazard categories

Flam. Liq. 3 · STOT SE 3 · STOT SE 3 · Asp. Tox. 1 · Skin Sens. 2 · Aquatic Chronic 2

Labelling

Hazard pictograms



Flame (GHS02) · Health hazard (GHS08) · Environment (GHS09) · Exclamation mark (GHS07)

Signal word

Danger

Material Safety Data Sheet

according to Regulation (EC) 1907/2006



Product name : REINIGER RE
Revision : 20.02.2014 **Version :** 18.0.0
Print date : 18.03.2014

Page : 7 / 8

Hazard statements

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P310 Immediately call a POISON CENTER or doctor/ physician.
P331 Do not induce vomiting.
P403/235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container to

Supplemental hazard information

EUH066 Repeated exposure may cause skin dryness or cracking.

Special rules for supplemental label elements for certain mixtures

EUH208 Contains .May produce an allergic reaction.

International regulatory information

Maximum VOC content (EC) : 99,8 Wt %

16. Other information

Further information

The details in this material safety data sheet satisfy national and EC legislation. We have no knowledge or control over the user's working conditions however. The product may not be used for any purpose other than that specified in chapter 1 unless written consent has been obtained. The user is responsible for the observance of all required statutory provisions.

Relevant changes

03. Hazardous components · 08. Components with critical values that require monitoring at the workplace (exposure limits) · 14. Land transport ADR/RID and GGVS/GGVE · 14. Maritime transport IMDG/GGVSea · 14. Substance releasing the danger (IMDG) · 14. Air transport ICAO-TI and IATA-DGR · 15. Hazard-determining components of labelling · 15. R-phrases · 15. S-phrases · *Phrase not found* · 15. GHS - Hazard pictograms · 15. GHS - Signal word · 15. GHS - Hazard statements · 15. GHS - Precautionary statements · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - Hazard components for labelling · 02. Labelling (67/548/EEC or 1999/45/EC) · 02. Labelling (67/548/EEC or 1999/45/EC) - Hazard components for labelling · 03. Hazardous ingredients · 08. Occupational exposure limit values · 14. UN proper shipping name - Sea transport (IMDG) · 14. Transport hazard class(es) - Land transport (ADR/RID) · 14. Transport hazard class(es) - Sea transport (IMDG) · 14. Transport hazard class(es) - Air transport (ICAO-TI / IATA-DGR)

R-Phrases of components

10 Flammable.
20 Harmful by inhalation.
37 Irritating to respiratory system.
38 Irritating to skin.
43 May cause sensitization by skin contact.
50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if swallowed.

Material Safety Data Sheet

according to Regulation (EC) 1907/2006



Product name : REINIGER RE
Revision : 20.02.2014 **Version :** 18.0.0
Print date : 18.03.2014

Page : 8 / 8

- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

GHS Hazard statements of components

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

Department issuing data sheet

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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.
