



# Safety Data Sheet

according to 29 CFR 1910.1200(g)

## DruckWege ResinWash TPM

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### 1. Identification

#### Product identifier

DruckWege ResinWash TPM

Substance name: Tripropylenglykolmethylether

CAS No: 25498-49-1

#### Recommended use of the chemical and restrictions on use

##### **Use of the substance/mixture**

Cleaning agent, Solvents

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

Company name: DruckWege GmbH

Street: Schulstr. 38

Place: D-53773 Hennef

Telephone: +49 2242 9185 137

e-mail: mail@druckwege.de

Contact person: Florian Reil / Anton Gillert Telephone: +49 2242 9185 137

**Emergency phone number:** Emergency telephone: +49 (0)89 41407483 (24 h, Munich, Germany)

### 2. Hazard(s) identification

#### Classification of the chemical

##### **29 CFR Part 1910.1200**

This substance is not classified as hazardous in accordance with Regulation 29 CFR 1910.1200(d).

#### Label elements

##### **Additional advice on labelling**

none/none

#### Hazards not otherwise classified

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

Vapors may form explosive mixtures with air. (Temperature &gt; Flash point / In fine dispersion/spraying/misting:)

### 3. Composition/information on ingredients

#### Substances

##### **Chemical characterization**

Contains:

Tripropylenglykolmethylether CAS No. 25498-49-1, EC No. 247-045-4

### 4. First-aid measures

#### Description of first aid measures

##### **General information**

Take off immediately all contaminated clothing. When in doubt or if symptoms are observed, get medical advice.

##### **After inhalation**

Provide fresh air. If experiencing respiratory symptoms: Call a doctor.

##### **After contact with skin**

Wash with plenty of water. Take off contaminated clothing and wash it before reuse. In case of skin irritation, seek medical treatment.



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#### **After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

#### **After ingestion**

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. Call a doctor if you feel unwell.

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

No information available.

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

Treat symptomatically.

## 5. Fire-fighting measures

#### **Extinguishing media**

##### **Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>), Extinguishing powder, Water spray jet. In case of major fire and large quantities: Water spray jet, alcohol resistant foam.  
Co-ordinate fire-fighting measures to the fire surroundings.

#### **Specific hazards arising from the chemical**

Non-flammable. In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, Pyrolysis products, toxic (Substance, organic).  
Vapors may form explosive mixtures with air. (Temperature > Flash point / In fine dispersion/spraying/misting:)

#### **Special protective equipment and precautions for fire-fighters**

In case of fire: Wear self-contained breathing apparatus. Full protection suit.

#### **Additional information**

Suppress gases/vapours/mists with water spray jet. Use water spray/stream to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## 6. Accidental release measures

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

Provide adequate ventilation. Remove all sources of ignition. Avoid contact with skin, eyes and clothes. Do not breathe dust/fume/gas/mist/vapors/spray. Use personal protection equipment. Remove persons to safety.

#### **Environmental precautions**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Suppress gases/vapours/mists with water spray jet. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

#### **Reference to other sections**

Safe handling: see section 7  
Personal protection equipment (PPE): see section 8  
Disposal: see section 13

## 7. Handling and storage

#### **Precautions for safe handling**



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#### Advice on safe handling

Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Do not breathe dust/fume/gas/mist/vapors/spray. Use personal protection equipment.

#### Advice on protection against fire and explosion

Remove all sources of ignition. When hot, product develops flammable vapors. Vapors may form explosive mixtures with air. (Temperature > Flash point / In fine dispersion/spraying/misting:)

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

##### Requirements for storage rooms and vessels

Keep container tightly closed. Store in a cool dry place.

##### Hints on joint storage

Do not store together with: Oxidising agent, strong, Strong acid, Alkali (lye), concentrated.

##### Further information on storage conditions

Protect against direct sunlight.  
Keep away from heat.

## 8. Exposure controls/personal protection

#### Control parameters

##### Additional advice on limit values

To date, no national critical limit values exist.

#### Exposure controls



##### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

##### Protective and hygiene measures

Do not breathe dust/fume/gas/mist/vapors/spray. Keep away from food, drink and animal feedingstuffs. Take off contaminated clothing. Wash hands before breaks and after work. Avoid contact with skin, eyes and clothes. When using do not eat, drink, smoke, sniff.

##### Eye/face protection

Wear eye protection/face protection.

##### Hand protection

Wear suitable gloves.

Suitable material: Butyl caoutchouc (butyl rubber), Ethylene vinyl alcohol copolymer (EVOH)

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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. 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.

##### Skin protection

Use of protective clothing. Chemical resistant safety shoes.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

##### Environmental exposure controls

Avoid release to the environment.

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**9. Physical and chemical properties****Information on basic physical and chemical properties**

Physical state:	Liquid
Color:	colorless
Odor:	like: Ether
Odour threshold:	not determined

**Test method**

pH-Value: not applicable

**Changes in the physical state**

Melting point/freezing point: -78 °C

Initial boiling point and boiling range: 243 °C

Flash point: 121 °C

**Flammability**

Solid: not applicable

Gas: not applicable

**Explosive properties**

The product is not: Explosive

Vapors may form explosive mixtures with air. (Temperature &gt; Flash point / In fine dispersion/spraying/misting:)

Lower explosion limits: (calculated.) 1,1 vol. %

Upper explosion limits: (calculated.) 7,0 vol. %

Ignition temperature: 277 °C

**Auto-ignition temperature**

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

**Oxidizing properties**

Not oxidising.

Vapor pressure: 0,03 hPa  
(at 20 °C)Density (at 20 °C): 0,966 g/cm<sup>3</sup>

Water solubility: not determined

**Solubility in other solvents**

not determined

Partition coefficient: 0,309 (calculated.)

Viscosity / dynamic:  
(at 25 °C) 5,5 mPa·sViscosity / kinematic:  
(at 20 °C) 6,71 mm<sup>2</sup>/s DIN 51562Vapor density: 7,15 g/cm<sup>3</sup>

Evaporation rate: not determined

**Other information**

No information available.

**10. Stability and reactivity**

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**Reactivity**

No hazardous reaction when handled and stored according to provisions.

**Chemical stability**

Stability: Stable

The product is stable under storage at normal ambient temperatures.

**Possibility of hazardous reactions**

Hazardous reactions: May occur

Vapors may form explosive mixtures with air. (Temperature > Flash point / In fine dispersion/spraying/misting:  
)**Conditions to avoid**

UV-radiation/sunlight.

Remove all sources of ignition.

Heat.

**Incompatible materials**

Oxidising agent, strong, Strong acid, Alkali (lye), concentrated.

**Hazardous decomposition products**In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, Pyrolysis products, toxic**11. Toxicological information****Information on toxicological effects****Route(s) of Entry**

Eye contact, oral, dermal, inhalative.

**Acute toxicity**

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

**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.

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

**Specific target organ toxicity (STOT) - single exposure**

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

**Specific target organ toxicity (STOT) - repeated exposure**

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

Carcinogenicity (OSHA): Not listed.

Carcinogenicity (IARC): Not listed.

Carcinogenicity (NTP): Not listed.

**Aspiration hazard**

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

**12. Ecological information****Ecotoxicity**

The product is not: Ecotoxic.

**Persistence and degradability**

The product has not been tested.

**Bioaccumulative potential**

The product has not been tested.

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**Mobility in soil**

The product has not been tested.

**Other adverse effects**

No information available.

**Further information**

Avoid release to the environment.

**13. Disposal considerations****Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

**Contaminated packaging**

Dispose of waste according to applicable legislation. Completely emptied packages can be recycled. Wash with plenty of water.

**14. Transport information****US DOT 49 CFR 172.101****Proper shipping name:**

No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)****UN number:**

No dangerous good in sense of this transport regulation.

**UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**Packing group:**

No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)****UN number:**

No dangerous good in sense of this transport regulation.

**UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**Packing group:**

No dangerous good in sense of this transport regulation.

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**Special precautions for user**

not applicable

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

not applicable

**15. Regulatory information****U.S. Regulations****National Inventory TSCA**

CAS No. 25498-49-1: Yes.

**State Regulations****Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**16. Other information**



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### Hazardous Materials Information Label (HMIS)

Health: 0  
Flammability: 1  
Physical Hazard: 0

### NFPA Hazard Ratings

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

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### Abbreviations and acronyms

ACGIH: American Conference of Governmental Industrial Hygienists  
CFR: Code of Federal Regulations  
DOT: Department of Transportation  
ICAO: International Civil Aviation Organization  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IARC: International Agency for Research on Cancer  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
CAS: Chemical Abstracts Service  
NFPA: National Fire Protection Association  
NTP: National Toxicology Program  
OSHA: Occupational Safety and Health Administration  
PEL: permissible exposure limit  
REL: recommended exposure limit  
SARA: Superfund Amendments and Reauthorization Act  
STEL: Short-term exposure limit  
TSCA: Toxic Substances Control Act  
TWA: time-weighted average  
TI: Technical Instructions  
DGR: Dangerous Goods Regulations  
UN: United Nations  
ATE: Acute toxicity estimate  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
VOC: Volatile Organic Compounds

### Other data

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.