

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### TIP TOP SOLVENT LIQUID BUFFER

Revision date: 24.01.2025

Product code: 00156-0008

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

##### 1.1. Product identifier

TIP TOP SOLVENT LIQUID BUFFER

##### Art.-No.

505 9685, 505 9702, 505 9719, 505 9740, 507 9706, 511 1190, 514 4870, 599 2200, 356 1810

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

##### Use of the substance/mixture

Cleaning agent

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

Company name: REMA TIP TOP AG

Street: Gruber Strasse 65

Place: D-85586 Poing

Telephone: +49 (0) 8121 / 707 - 100

Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de

##### 1.4. Emergency telephone number:

INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)  
Public Poisons Information Line: +353 (0) 1 809 2166 (8am-10pm 7 days a week)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

##### Regulation (EC) No 1272/2008

Flam. Liq. 2; H225

Asp. Tox. 1; H304

Skin Irrit. 2; H315

STOT SE 3; H336

Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

##### 2.2. Label elements

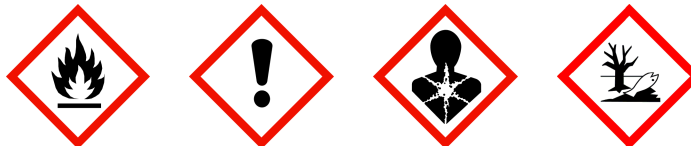
##### Regulation (EC) No 1272/2008

##### Hazard components for labelling

Naphtha (petroleum)

Signal word: Danger

##### Pictograms:



##### 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

|      |  |
|------|--|
| P261 | Avoid breathing vapour.  |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P243 | Take action to prevent static discharges.  |

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|           |  |
|-----------|--|
| P280      | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER/doctor.                     |
| P331      | Do NOT induce vomiting.  |
| P273      | Avoid release to the environment.  |
| P391      | Collect spillage.  |

**2.3. Other hazards**

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

Vapours may form explosive mixture with air.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Preparation solved in petroleum spirit

**Hazardous components**

| CAS No     | Chemical name  | Quantity |                  |          |
|------------|--|----------|------------------|----------|
|            | EC No  | Index No | REACH No         |          |
|            | Classification (Regulation (EC) No 1272/2008)  |          |                  |          |
| 64742-49-0 | Naphtha (petroleum) [Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclic compounds, < 3% n-hexane] |          |                  | > = 75 % |
|            | 921-024-6  |          | 01-2119475514-35 |          |
|            | Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411   |          |                  |          |
| 64742-49-0 | Naphtha (petroleum) [Hydrocarbons, C6, isoalkanes, < 3% n-hexane]                                  |          |                  | <= 25 %  |
|            | 931-254-9  |          | 01-2119484651-34 |          |
|            | Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411   |          |                  |          |

Full text of H and EUH statements: see section 16.

**Further Information**

According to note P to the directive 67/548/EEC, "Naphtha (petroleum)" is not to be classified as "carcinogenic" ingredient because a benzene content (EINECS No. 200-753-7) is below 0.1 % by weight.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.  
In the event of persistent symptoms receive medical treatment.  
Take away from danger area and lay down affected person.

**After inhalation**

Move to fresh air in case of accidental inhalation of vapours.  
If you feel unwell, seek medical advice.

**After contact with skin**

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



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#### **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**

Do not induce vomiting.  
Summon a doctor immediately.  
Induce vomiting only upon the advice of a physician.

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

Causes skin irritation.  
May cause drowsiness or dizziness.  
May be fatal if swallowed and enters airways. Attention. Beware, danger of aspiration.

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

Treat symptoms.

### SECTION 5: Firefighting measures

#### **5.1. Extinguishing media**

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

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.

##### **Unsuitable extinguishing media**

Full water jet.

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

Fire may produce:  
carbon monoxide and carbon dioxide

#### **5.3. Advice for firefighters**

Use breathing apparatus with independent air supply.  
Protective suit.

#### **Additional information**

Vapours are heavier than air and spread along ground.  
The vapour/air mixture is explosive, even in empty, uncleaned receptacles.  
Cool containers at risk with water spray jet.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

### SECTION 6: Accidental release measures

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

##### **General advice**

Ensure adequate ventilation.  
Keep away noninvolved persons.

##### **For non-emergency personnel**

Do not breathe vapours.  
Avoid contact with skin, eyes and clothing.

##### **For emergency responders**

In case of vapour formation use respirator.  
Use personal protective clothing.  
Use only explosion-proof equipment.

#### **6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

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

##### **For containment**

Prevent spread over a wide area (e.g. by containment or oil barriers).



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#### For cleaning up

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

#### 6.4. Reference to other sections

Observe protective instructions (see Sections 7 and 8).  
Informations for disposal look up chapter 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

Keep container tightly closed.  
Vapours are heavier than air and spread along ground.  
Use only in thoroughly ventilated areas.  
Avoid contact with skin, eyes and clothing.

##### Advice on protection against fire and explosion

Do not smoke - volatile.  
Keep away from heat and sources of ignition.  
Take precautionary measures against static discharges.  
Use only explosion-proof equipment.

##### Advice on general occupational hygiene

Do not inhale vapours.  
Wash hands before breaks and immediately after handling the product.  
When using do not eat, drink or smoke.  
Treat subsequently with skin cream.  
Remove and wash contaminated clothes before re-use.

#### 7.2. 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.  
Pay attention to anti-explosion rules.

##### Hints on joint storage

Incompatible with oxidizing agents.

##### Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

#### 7.3. Specific end use(s)

Cleaning agent

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Additional advice on limit values

To date, no national critical limit values exist.

#### 8.2. Exposure controls

##### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

##### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Tightly fitting goggles (EN 166).

##### Hand protection

Protective gloves resistant to chemicals made off nitrile, Minimum coat thickness 0.4 mm, Permeation

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resistance (wear duration) approx. 480 minutes, i.e. protective glove <Camatril Velours 730> made by www.kcl.de.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

**Skin protection**

Solvent-resistant apron (EN 467).

**Respiratory protection**

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A) (EN 14387).

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|                 |                  |
|-----------------|------------------|
| Physical state: | Liquid           |
| Colour:         | Colourless       |
| Odour:          | Hydrocarbon-like |

**Test method****Changes in the physical state**

|   |                       |
|---|-----------------------|
| Melting point/freezing point:                             | n. d.                 |
| Boiling point or initial boiling point and boiling range: | 60 - 95 °C ASTM D1078 |
| Sublimation point:  | n.a.                  |
| Softening point:  | n. d.                 |
| Flash point:  | - 25 °C               |

**Flammability**

|               |      |
|---------------|------|
| Solid/liquid: | n.a. |
|---------------|------|

**Explosive properties**

The product is considered non-explosive; nevertheless explosive vapour/air mixture can be generated.

|                            |            |
|----------------------------|------------|
| Lower explosion limits:    | 1,0 vol. % |
| Upper explosion limits:    | 7,3 vol. % |
| Auto-ignition temperature: | 413 °C     |

**Self-ignition temperature**

|                                      |                           |
|--------------------------------------|---------------------------|
| Solid:                               | n.a.                      |
| Gas:                                 | n.a.                      |
| Decomposition temperature:           | n. d.                     |
| pH-Value:                            | n.a.                      |
| Viscosity / dynamic:                 | 0,45 mPa·s                |
| Viscosity / kinematic:<br>(at 40 °C) | < 20,5 mm <sup>2</sup> /s |
| Flow time:                           | n. d.                     |
| Water solubility:<br>(at 20 °C)      | 0,02 g/L                  |

**Solubility in other solvents**

n. d.

|  |                                    |
|--|------------------------------------|
| Partition coefficient n-octanol/water: | (n-octanol/water) Log Pow: 4 - 5,1 |
| Vapour pressure:<br>(at 20 °C)         | 150 hPa                            |

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Density (at 15 °C): 0,693 g/cm<sup>3</sup> DIN 51757  
Bulk density: n.a.  
Relative vapour density: n. d.

**9.2. Other information****Information with regard to physical hazard classes**

Sustaining combustion: Sustaining combustion  
Oxidizing properties  
Not oxidising.

**Other safety characteristics**

Solvent separation test: 0 %  
Solvent content: 100 %  
Evaporation rate: 7,6 ASTM D 3539

**Further Information**

No data available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No decomposition if stored and applied as directed.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Reactions with oxidising agents.

**10.4. Conditions to avoid**

To avoid thermal decomposition, do not overheat.  
Vapour/air mixtures are explosive at intensive warming.  
Heating can release vapours which can be ignited.

**10.5. Incompatible materials**

Oxidizing agents

**10.6. Hazardous decomposition products**

No hazardous decomposition products known.  
Fire may produce:  
Carbon monoxide and carbon dioxide

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

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

LD50/oral/rat: &gt; 2000 mg/kg

LD50/dermal/rabbit: &gt; 2000 mg/kg

LC50/inhalativ/rat: &gt; 20 mg/l

**ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

**Irritation and corrosivity**

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

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**Sensitising effects**

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

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

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

**STOT-single exposure**

May cause drowsiness or dizziness. (Naphtha (petroleum) [Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclic compounds, < 3% n-hexane]; Naphtha (petroleum) [Hydrocarbons, C6, isoalkanes, < 3% n-hexane])

**STOT-repeated exposure**

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

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**Additional information on tests**

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

**11.2. Information on other hazards****Endocrine disrupting properties**

No data available

**Other information**

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Hazard of lung oedema.

Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Contact with eyes may cause irritation.

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

**SECTION 12: Ecological information****12.1. Toxicity**

Naphtha (petroleum)

EC50/Daphnia: 1 - 10 mg/l

EC50/Algae: 10 - 100 mg/l

Toxic to aquatic life with long lasting effects.

**12.2. Persistence and degradability**

The product is readily biodegradable to OECD criteria.

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

Slightly water hazardous.

**Further information**

Do not flush into surface water or sanitary sewer system.

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#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

###### Disposal recommendations

Where possible recycling is preferred to disposal.  
Can be incinerated, when in compliance with local regulations.

###### List of Wastes Code - residues/unused products

140603 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (EXCEPT 07 AND 08);  
waste organic solvents, refrigerants and foam/aerosol propellants; other solvents and solvent  
mixtures; hazardous waste

###### 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.

#### SECTION 14: Transport information

##### Land transport (ADR/RID)

**14.1. UN number or ID number:** UN 1263  
**14.2. UN proper shipping name:** Paint related material  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Classification code: F1  
Limited quantity: 5 L / 30 kg  
Excepted quantity: E2  
Transport category: 2  
Hazard No: 33  
Tunnel restriction code: D/E

##### Inland waterways transport (ADN)

**14.1. UN number or ID number:** UN 1263  
**14.2. UN proper shipping name:** Paint related material  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Classification code: F1  
Limited quantity: 5 L / 30 kg  
Excepted quantity: E2

##### Marine transport (IMDG)

**14.1. UN number or ID number:** UN 1263  
**14.2. UN proper shipping name:** Paint related material (Naphtha (petroleum))  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



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|                    |             |
|--------------------|-------------|
| Marine pollutant:  | Yes         |
| Limited quantity:  | 5 L / 30 kg |
| Excepted quantity: | E2          |
| EmS:               | F-E, S-E    |

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

|  |                        |
|--|------------------------|
| <b>14.1. UN number or ID number:</b>     | UN 1263                |
| <b>14.2. UN proper shipping name:</b>    | Paint related material |
| <b>14.3. Transport hazard class(es):</b> | 3                      |
| <b>14.4. Packing group:</b>              | II                     |
| Hazard label:                            | 3                      |



|  |      |
|--|------|
| Limited quantity Passenger:            | 1 L  |
| Passenger LQ:                          | Y341 |
| Excepted quantity:                     | E2   |
| IATA-packing instructions - Passenger: | 353  |
| IATA-max. quantity - Passenger:        | 5 L  |
| IATA-packing instructions - Cargo:     | 364  |
| IATA-max. quantity - Cargo:            | 60 L |

#### 14.5. Environmental hazards

|                            |     |
|----------------------------|-----|
| ENVIRONMENTALLY HAZARDOUS: | Yes |
|----------------------------|-----|



#### 14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

#### 14.7. Maritime transport in bulk according to IMO instruments

The transport takes place only in approved and appropriate packaging.

### SECTION 15: Regulatory information

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

##### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40

|  |            |
|--|------------|
| Directive 2004/42/EC on VOC in paints and varnishes: | 95 - 100 % |
|--|------------|

|   |                       |
|---|-----------------------|
| Information according to Directive 2012/18/EU (SEVESO III): | P5c FLAMMABLE LIQUIDS |
|---|-----------------------|

|                         |    |
|-------------------------|----|
| Additional information: | E2 |
|-------------------------|----|

##### National regulatory information

|                          |   |
|--------------------------|---|
| Employment restrictions: | Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. |
|--------------------------|---|

|                         |                                 |
|-------------------------|---------------------------------|
| Water hazard class (D): | 1 - slightly hazardous to water |
|-------------------------|---------------------------------|

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**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 9,12,15.

**Abbreviations and acronyms**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
IMDG = International Maritime Code for Dangerous Goods  
IATA/ICAO = International Air Transport Association / International Civil Aviation Organization  
MARPOL = International Convention for the Prevention of Pollution from Ships  
IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
REACH = Registration, Evaluation, Authorization and Restriction of Chemicals  
CAS = Chemical Abstract Service  
EN = European norm  
ISO = International Organization for Standardization  
DIN = Deutsche Industrie Norm  
PBT = Persistent Bioaccumulative and Toxic  
vPvB = Very Persistent and very Bio-accumulative

LD = Lethal dose  
LC = Lethal concentration  
EC = Effect concentration  
IC = Median immobilisation concentration or median inhibitory concentration

**Relevant H and EUH statements (number and full text)**

|      |  |
|------|--|
| H225 | Highly flammable liquid and vapour.              |
| 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. |

**Further Information**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation 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 relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*