Safety Data Sheet for 05316 – Buffing Solution

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY NAME

NAME OF MANUFACTURER/SUPPLIER:

REMA TIP TOP AG
Gruber Strasse 63
D-85586 Poing

BUSINESS TELEPHONE No: +49 (0) 8121 / 707-0
EMERGENCY TELEPHONE No: **INTERNATIONAL:** +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)
England and Wales: NHS Direct - 0845 4647; Scotland NHS 24 - 08454 24 24 24
Email: sds@gbk-ingelheim.de

PRODUCT NAME: TIP TOP LIQUID BUFFER; free of chlorinated and aromatic hydrocarbons

PRODUCT TYPE: Cleaning agent

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Indications of danger: F - Highly flammable, Xn - Harmful, N - Dangerous for the environment

R phrases:
Highly flammable.
Irritating to skin.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Harmful: may cause lung damage if swallowed.
Vapours may cause drowsiness and dizziness.

GHS classification
Hazard categories:
Flammable liquid: Flam. Liq. 2
Skin corrosion/irritation: Skin knit. 2
Specific target organ toxicity - single exposure: STOT SE 3
Aspiration hazard: Asp. lox. 1
Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:
Highly flammable liquid and vapour.
Causes skin irritation.
May cause drowsiness or dizziness.
May be fatal if swallowed and enters airways.
Toxic to aquatic life with long lasting effects.

2.2. Label elements

Pictograms: GHS02-GHS07-GHS08-GHS09

Signal word: Danger

Hazardous components which must be listed on the label
Naphtha (petroleum)

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/sparks/open flames/hot surfaces, - No smoking.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting.
P273	Avoid release to the environment.
P391	Collect spillage.

2.3. Other hazards

Vapours may form explosive mixture with air.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Chemical characterization

Preparation solved in petroleum spirit

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
921-024-6	Naphtha (petroleum) (Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclic compounds, <3% n-hexane) ,	> 95 %
64742-49-0	F - Highly flammable, Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R11-38-51-53-65-67	
649-328-00-1	Flam Liq. 2, Skin Irrlt. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2, H225 H315 H336 H304 H411	
01 -2119475514-35		

Full text of R and H phrases: see Section 16.

Further Information

According to note P to the regulation (EC) no. 1272/2008, "Naphta (petroleum)" is not to be classified as "carcinogenic" or "mutagen" ingredient because a benzene content (El NECS No. 200-753-7) is below 0.1% by weight.

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.

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.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Foam, carbon dioxide (CO_2), dry chemical, water-spray.

Extinguishing media which must not be used for safety reasons

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.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

In case of vapour formation use respirator.
Use only explosion-proof equipment.
Avoid contact with skin, eyes and clothing.
Ensure adequate ventilation.
Use personal protective clothing.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/ground water.

6.3. 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.

6.4. Reference to other sections

Observe protective instructions (see Sections 7 and 8).
Information for disposal see section 13.

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

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

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.

Advice on storage compatibility

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.2. Exposure controls

Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

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.

(n-octanol/water) Log Pow:
4- 5,1
0,45 mPa.s
100%

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A) (EN 141).

Hand protection

Protective gloves resistant to chemicals made of nitrile, minimum coat thickness 0.4 mm, permeation resistance (wear duration) approx. 480 minutes, 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.

Eye protection

Tightly fitting goggles (EN 166).

Skin protection

Solvent-resistant apron (EN 467).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

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

Changes in the physical state*/test method*

Melting point:	<- 50 °C	**Initial boiling point and boiling range:**	60 - 95 °C *ASTM D1078*
Flash point:	<- 25 °C		

Explosive properties

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

Lower explosion limits:	0,8 vol. %		**Upper explosion limits:**	8,0 vol. %
Ignition temperature:	260°C	*DIN 51794*	**Vapour pressure: (at 20 °C)**	190hPa
Density (at 15 °C):	approx. 0,69 g/cm3	*DIN 51757*	**Water solubility:(at 20 °C)**	0,02 g/L

Partition coefficient: (n-octanol/water) Log Pow: 4-5-1
Viscosity / dynamic: 0,45 mPa.s
Solvent content: 100%

9.2. Other information

No data available.

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 oxidizing 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

Carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity
LD50/oral/rat: > 2000 mg/kg
LD50/dermal/rabbit: > 2000 mg/kg

Irritation and corrosivity
Skin irritation: Irritant
Eye irritation: Not classified.

Sensitising effects
Not classified.

Severe effects after repeated or prolonged exposure
STOT - Single exposure: Category 3 (May cause drowsiness or dizziness.)
STOT - Repeated exposure: Not classified.
Aspiration hazard: Category 1 (May be fatal if swallowed and enters airways.)

Carcinogenic/mutagenic/toxic effects for reproduction
Carcinogenicity: Not classified.
Mutagenicity: Not classified.
Teratogenicity: Not classified.

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

Empirical data on effects on humans
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.

12. ECOLOGICAL INFORMATION

12.1, Toxicity
Naphtha (petroleum)
LC50/EC50/EC50 : 1 - 10 mg/l
Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability
Readily biodegradable.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

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

12.6. Other adverse effects
Low hazard to waters.

Further information
Do not flush into surface water or sanitary sewer system

13. DISPOSAL RECOMMENDATIONS

13.1. Waste treatment methods

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

Waste disposal number of waste from 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 Classified as 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

14. TRANSPORT INFORMATION

Land transport (ADR/RID)

14.1. UN 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: FI
Limited quantity: 5 L / 30 kg
Transport category: 2
Hazard No: 33
Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN 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: FI
Limited quantity: 5 L/ 30 kg

Marine transport (IMDG)

14.1. UN 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

Limited quantity: 5L / 30KG
EmS: F-E, S-E

Air transport (ICAO)

14.1. UN/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

Limited quantity Passenger.	Y341 / 1 L
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. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
The transport takes place only in approved and appropriate packaging.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulatory information
1999/13/EC (VOC): 95- 100%

National regulatory information
Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

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

16. OTHER INFORMATION

Abbreviations and acronyms
ADR = Accord europeen relatif au transport international des marchandises Dangereuses par Route
RID = Reglement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord europeen relatif au transport international des marchandises dangereuses par voie de navigation inferieure
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
VOC = Volatile organic compound
STOT SE = Specific target organ toxicity single exposure
STOT RE = Specific target organ toxicity repeated exposure
PBT = Persistent Bioaccumulative and Toxic

vPvB Very Persistent and very Bio-accumulative
bw = body weight
LD = Lethal dose
LC = Lethal concentration
EC = Effect concentration
IC = Median immobilisation concentration or median inhibitory concentration

Full text of R phrases referred to under Sections 2 and 3

11	Highly flammable.
38	Irritating to skin,
51	Toxic to aquatic organisms.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
53	May cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.
67	Vapours may cause drowsiness and dizziness.

Full text of H statements referred to under Sections 2 and 3

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)

Disclaimer

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. As the application of products is outside our control, the information is given without legal responsibility. Customers should test under their own conditions to ensure the products are suitable for their own requirements.