

TIP TOP SOLVENT LIQUID BUFFER SPRAY

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations
Issue date: 31/08/2004 Revision date: 03/03/2026 Supersedes: 17/08/2023 Version: 2.8
SDS No: 00156-0090



SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Product name : TIP TOP SOLVENT LIQUID BUFFER SPRAY
Product code : 505 9692, 505 9693, 559 9050

1.2. Other means of identification

No additional information available.

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Cleaning agent

1.4. Details of manufacturer or importer

Manufacturer

REMA TIP TOP AG
65 Gruber Strasse
Poing 85586
Germany
T +49 (0) 8121 / 707 - 100
info@tiptop.de

Importer

REMA TIP TOP Australia Pty Ltd.
3/20 Worth Street
Chullora NSW 2190
Australia
T +61 2 8755 8400
www.rema-tiptop.com.au

E-mail address of competent person responsible for the SDS: sds@gbk-ingelheim.de

1.5. Emergency phone number

Emergency number : +61-280735031, Infotrac/GBK GmbH-ID: 93591

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Aerosol, Category 1	H222;H229
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2A	H319
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



Flame

Exclamation
mark

Environment

Signal word (GHS AU) :

Danger

Contains :

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (25 - 50 %); Ethylacetate (25 - 50 %)

Hazard statements (GHS AU) :

H222 - Extremely flammable aerosol
H229 - Pressurised container: May burst if heated
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS AU) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.

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P251 - Do not pierce or burn, even after use.
P261 - Avoid breathing spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTER, a doctor if you feel unwell.
P332+P313 - If skin irritation occurs: Get medical attention.
P337+P313 - If eye irritation persists: Get medical attention.
P391 - Collect spillage.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C, 122 °F.
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : In use, may form flammable/explosive vapour-air mixture. Heating will cause a rise in pressure with a risk of bursting.

SECTION 3: Composition and information on ingredients

Comments : Preparation with aliphatic hydrocarbons (free of aromatic hydrocarbons).

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	64742-49-0	25 - 50	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Ethylacetate	141-78-6	25 - 50	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Propane	74-98-6	10 - 25	Flam. Gas 1, H220 Press. Gas (Comp.), H280
butane	106-97-8	10 - 25	Flam. Gas 1, H220 Press. Gas (Comp.), H280
Isobutane	75-28-5	2.5 - 10	Flam. Gas 1, H220 Press. Gas (Comp.), H280
Cyclohexane	110-82-7	< 1	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Other substances (not contributing to the classification of this product)	-	Up to 100%	-

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SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: Take off immediately all contaminated clothing. Move the affected person away from the contaminated area.
First-aid measures after inhalation	: Move to fresh air in case of accidental inhalation of vapours or decomposition products. In the event of persistent symptoms receive medical treatment.
First-aid measures after skin contact	: Gently wash with plenty of soap and water. If symptoms persist, call a physician.
First-aid measures after eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an ophthalmologist if irritation persists.
First-aid measures after ingestion	: Do not induce vomiting without medical advice. Rinse mouth out with water. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

4.2. Symptoms caused by exposure

Symptoms/effects after inhalation	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Causes skin irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: Aspiration hazard.

4.3. Medical attention and special treatment

Treatment	: Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Alcohol resistant foam. Dry powder. Carbon dioxide. Water spray.
Unsuitable extinguishing media	: high volume water jet.

5.2. Specific hazards arising from the chemical

Fire hazard	: Extremely flammable aerosol.
Explosion hazard	: Product is not explosive. Explosive vapour/air mixtures may be formed.
General measures	: In case of vapour formation use adequate respirator. Use explosion-proof equipment. Ensure adequate ventilation. Use protective clothing. Remove ignition sources.
Hazardous decomposition products in case of fire	: Fire may produce: Carbon oxides (CO, CO ₂).

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Fight fire from safe distance and protected location.
Protection during firefighting	: Self-contained breathing apparatus. Complete protective clothing.
Other information	: Cool containers at risk with water spray jet. Vapours may form explosive mixture with air. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. Heating will cause a rise in pressure with a risk of bursting.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: In case of vapour formation use adequate respirator. Use explosion-proof equipment. Ensure adequate ventilation. Use protective clothing. Remove ignition sources.
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6.1.1. For non-emergency personnel

Protective equipment	: Wear personal protective equipment.
Emergency procedures	: Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

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

6.3. Methods and materials for containment and cleaning up

For containment : Dike and contain spill.
Methods for cleaning up : Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite. Shovel or sweep up and put in a closed container for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Pay attention to explosion protection guidelines. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Store in a well-ventilated place. Keep out of direct sunlight.
Incompatible materials : oxidizing materials.
Storage temperature : < 50 °C
Information on mixed storage : Keep away from food, drink and animal feeding stuffs.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

butane (106-97-8)	
Australia - Occupational Exposure Limits	
Local name	Butane
OES TWA	1900 mg/m ³
	800 ppm
Regulatory reference	Workplace exposure standards for airborne contaminants (2025)
Cyclohexane (110-82-7)	
Australia - Occupational Exposure Limits	
Local name	Cyclohexane
OES TWA	350 mg/m ³
	100 ppm
OES STEL	1050 mg/m ³
	300 ppm
Regulatory reference	Workplace exposure standards for airborne contaminants (2025)

8.2. Biological Monitoring

Monitoring methods : A specific exposure sampling method is not available.

8.3. Engineering controls

No additional information available.

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8.4. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : 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

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Chemically resistant protective gloves	Nitrile rubber	6 (> 480 minutes)	≥0.4		EN ISO 374

Eye protection : Eyewash bottle with clean water (EN 15154)

Type	Field of application	Characteristics	Standard
Safety glasses with side shields	Liquid splashes may occur		EN 166

Type	Standard
Long sleeved protective clothing	EN ISO 6530

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Respiratory protective device with a gas filter	Type A - High-boiling (>65 °C) organic compounds		EN 14387

Environmental exposure controls : Avoid release to the environment.

Other information : Avoid contact with skin and eyes. Wash hands before breaks and at the end of workday. Do not eat, drink or smoke during use. Do not breathe vapours. Remove and wash contaminated clothing before re-use.

SECTION 9: Physical and chemical properties

Physical state : Liquid
Appearance : Aerosol.
Colour : Colourless
Odour : Fruity
Odour threshold : No data available.
pH : No data available.
pH solution : No data available.
Relative evaporation rate (butylacetate=1) : No data available.
Melting point / Freezing point : No data available.
Boiling point : No data available.
Flash point : < 0 °C
Auto-ignition temperature : No data available.
Flammability : No data available.
Vapour pressure : Vapour pressure: 3000 hPa @20°C
Vapour pressure at 50°C: < 10000
Relative density : No data available.
Density : Density: 0.665 g/cm³ @20°C
Solubility : immiscible. at 20 °C. (OECD 116 method).
Log Pow : No data available.
Explosive properties : Product is not explosive. May form flammable/explosive vapour-air mixture.
Oxidising properties : Non oxidizing
Explosive limits : No data available.
Minimum ignition energy : No data available.
VOC content : 665 g/l
Fat solubility : No data available.

SECTION 10: Stability and reactivity

Reactivity : No decomposition if stored and applied as directed.

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Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Reactions with oxidizing agents.
Conditions to avoid	: Vapour/air mixtures are explosive. Do not pierce or burn, even after use. Do not expose to temperatures exceeding 50 °C/ 122 °F. Exposure to heat may cause bursting.
Incompatible materials	: Oxidizing agent.
Hazardous decomposition products	: Thermal decomposition generates : No hazardous decomposition products known. Carbon oxides (CO, CO2).

SECTION 11: Toxicological information

Acute toxicity (oral)	: No data available. (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: No data available. (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: No data available. (Based on available data, the classification criteria are not met)

Propane (74-98-6)	
ATE AU (vapours)	658 mg/l/4h
ATE AU (dust,mist)	658 mg/l/4h
butane (106-97-8)	
ATE AU (gases)	276000 ppmv/4h
ATE AU (vapours)	658 mg/l/4h
ATE AU (dust,mist)	658 mg/l/4h
Cyclohexane (110-82-7)	
LD50 oral rat	> 12705 mg/kg
LD50 dermal rabbit	> 2000 mg/kg bodyweight Rabbit, (OECD 402 method)
LC50 Inhalation - Rat	> 32.88 mg/l air rat, (OECD 403 method)
Isobutane (75-28-5)	
ATE AU (vapours)	658 mg/l/4h
ATE AU (dust,mist)	658 mg/l/4h
Ethylacetate (141-78-6)	
LD50 oral rat	4935 mg/kg (OECD 401 method)
LD50 dermal rabbit	> 20000 mg/kg bodyweight rat
LC50 Inhalation - Rat	1600 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: No data available. (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: No data available. (Based on available data, the classification criteria are not met)
Carcinogenicity	: No data available. (Based on available data, the classification criteria are not met)
Reproductive toxicity	: No data available. (Based on available data, the classification criteria are not met)
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: No data available. (Based on available data, the classification criteria are not met)
Aspiration hazard	: No data available. (Based on available data, the classification criteria are not met)

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Vaporizer	Aerosol

Potential adverse human health effects and symptoms	: Irritation: may cause irritation to the respiratory system. May have a narcotic effect at high concentrations. Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. High concentration of vapours may induce: headache, nausea, dizziness. May cause eye-irritation of susceptible persons
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SECTION 12: Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : No data available. (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.
Other information : Do not flush into surface water or sewer system.

Cyclohexane (110-82-7)	
BCF - Fish [2]	31 – 129 Cyprinus carpio (Common carp)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Rabbit, (OECD 402 method)
LD50 oral rat	> 12705 mg/kg

Ethylacetate (141-78-6)	
LC50 fish 1	230 mg/l Pimephales promelas
NOEC (chronic)	2.4 mg/l Daphnia magna (Water flea), 21 d
LD50 dermal rabbit	> 20000 mg/kg bodyweight rat
LD50 oral rat	4935 mg/kg (OECD 401 method)

12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulative potential

Cyclohexane (110-82-7)	
BCF - Fish [2]	31 – 129 Cyprinus carpio (Common carp)

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

Ozone : No data available. (Based on available data, the classification criteria are not met)
Other adverse effects : Significantly hazardous to water. Endangering to drinking water.

SECTION 13: Disposal considerations

Waste treatment methods : Can be incinerated according to local regulations. Recycling is preferred to disposal or incineration.
Product/Packaging disposal recommendations : Offer empty spray cans to an established disposal company.

SECTION 14: Transport information

In accordance with ADG / IMDG / IATA

ADG	IMDG	IATA
14.1. UN number		
1950	1950	1950
14.2. UN Proper Shipping Name		
AEROSOLS	AEROSOLS	Aerosols, flammable

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ADG	IMDG	IATA
14.3. Transport hazard class(es)		
2.1	2.1	2.1
		
14.4. Packing group		
Not applicable.	Not applicable.	Not applicable.
14.5. Environmental hazards		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes

14.6. Special precautions for user

Specific storage requirement : No data available.
Shock sensitivity : No data available.

14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

UN-No. (ADG) : 1950
Special provision (ADG) : 63, 190, 277, 327, 344, 381
Limited quantities (ADG) : See SP 277
Excepted quantities (ADG) : E0
Packing instructions (ADG) : P207, LP200
Special packing provisions (ADG) : PP87, L2

Transport by sea

UN-No. (IMDG) : 1950
Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959
Limited quantities (IMDG) : SP277
Excepted quantities (IMDG) : E0
Packing instructions (IMDG) : P207, LP200
Special packing provisions (IMDG) : PP87, L2
Stowage category (IMDG) : None
Stowage and handling (IMDG) : SW1, SW22
Segregation (IMDG) : SG69

Air transport

UN-No. (IATA) : 1950
PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Y203
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 203
PCA max net quantity (IATA) : 75kg
CAO packing instructions (IATA) : 203
CAO max net quantity (IATA) : 150kg
Special provisions (IATA) : A145, A167, A802
ERG code (IATA) : 10L

14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable.

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations

Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS) : All the chemicals contained in this product are listed introductions Inventory) status

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Relevant Poisons Schedule number : Labelling requirements for SUSMP do not apply to a poison that is packed and sold solely for industrial, laboratory or manufacturing use. However, this product is labelled in accordance with the Safe Work Australia "Code of Practice" for workplace substances.

Australian Pesticides and Veterinary Medicines Authority (APVMA)

Not applicable.

15.2. International agreements

No additional information available.

SECTION 16: Other information

Revision date : 3/03/2026
Other information : Data of sections 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.

Abbreviations and acronyms:	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
DOT	Department of Transport
TDG	Transportation of Dangerous Goods
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
GHS	Globally Harmonized System of Classification, Labelling and Packaging of Chemicals
IARC	International Agency for Research on Cancer
vPvB	Very Persistent and Very Bioaccumulative
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
CAS	CAS (Chemical Abstracts Service) number
IBC-Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
BCF	Bioconcentration factor

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Abbreviations and acronyms:	
MARPOL 73/78	MARPOL 73/78: International Convention for the Prevention of Pollution From Ships
ADG	Transport of Australian Dangerous Goods

Classification	
Aerosol 1	H222;H229
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
STOT SE 3	H336
Aquatic Chronic 2	H411

Full text of H-statements	
Aerosol 1	Aerosol, Category 1
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Gas 1	Flammable gases, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H220	Extremely flammable gas
H225	Highly flammable liquid and vapour
H280	Contains gas under pressure; may explode if heated
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should therefore not be construed as guaranteeing any specific property of the product.