

## Safety Data Sheet

According to the Model WHS Regulations and the ADG code

### TIP TOP SOLVENT CF-R4

Revision date: 01.02.2021

Product code: 00156-0009AUS

Page 1 of 10

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

##### 1.1. Product identifier

TIP TOP SOLVENT CF-R4

##### Art.-No.

525 3254, 595 9118, 595 9125, 595 9132, 595 9156

##### 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 Australia Pty Ltd.  
Street: 3 - 7 Ironbark Close  
Place: Warabrook  
NSW 2304 / Australia  
Telephone: +61-2-4935-0200  
Internet: www.rema-tiptop.com.au  
Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de  
1.4. Emergency telephone number: +61-280735031, Infotrac/GBK GmbH-ID: 93591

#### SECTION 2: Hazards identification

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

CLASSIFIED AS HAZARDOUS CHEMICAL ACCORDING TO SAFE WORK AUSTRALIA AND WHS CRITERIA  
CLASSIFIED AS DANGEROUS GOODS ACCORDING TO THE ADG CODE  
POISON SCHEDULE: 5

##### Classification according to WHS

Hazard categories:  
Flammable liquid: Flam. Liq. 2  
Aspiration hazard: Asp. Tox. 1  
Serious eye damage/eye irritation: Eye Irrit. 2A  
Specific target organ toxicity - single exposure: STOT SE 3  
Hazardous to the aquatic environment: Aquatic Chronic 2  
Hazard Statements:  
Highly flammable liquid and vapour.  
May be fatal if swallowed and enters airways.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.  
Toxic to aquatic life with long lasting effects.

##### 2.2. Label elements

##### Component(s) to be indicated on the label

Ethyl acetate 60 - < 75 %  
Aliphatic hydrocarbons 30 - < 35 %

Signal word: Danger

##### Pictograms:



flame



exclamation mark



health hazard



environment



## Safety Data Sheet

According to the Model WHS Regulations and the ADG code

### TIP TOP SOLVENT CF-R4

Revision date: 01.02.2021

Product code: 00156-0009AUS

Page 2 of 10

#### Hazard statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P261	Avoid breathing vapour.
P264	Wash hands 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.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P391	Collect spillage.
P235	Keep cool.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal company or local collection.

#### Special labelling of certain mixtures

AUH066	Repeated exposure may cause skin dryness or cracking.
--------	---

#### 2.3. Other hazards

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	Classification according to WHS criteria	
141-78-6	Ethyl acetate	60 - < 75 %
205-500-4	Flam. Liq. 2, Eye Irrit. 2A, STOT SE 3; H225 H319 H336 AUH066	
64742-49-0	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	30 - < 35 %
920-750-0	Flam. Liq. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H336 H304 H411 AUH066	

Full text of H and AUH phrases: see section 16.



## Safety Data Sheet

According to the Model WHS Regulations and the ADG code

### TIP TOP SOLVENT CF-R4

Revision date: 01.02.2021

Product code: 00156-0009AUS

Page 3 of 10

#### 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.

###### After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Consult a physician.

###### After ingestion

Do not induce vomiting.  
Never give anything by mouth to an unconscious person.  
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 serious eye irritation.  
May be fatal if swallowed and enters airways.  
May cause drowsiness or dizziness.

##### 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

Alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>), 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.  
HAZCHEM: •3YE

###### 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



## Safety Data Sheet

According to the Model WHS Regulations and the ADG code

### TIP TOP SOLVENT CF-R4

Revision date: 01.02.2021

Product code: 00156-0009AUS

Page 4 of 10

In case of vapour formation use respirator.  
Use only explosion-proof equipment.  
Avoid contact with skin, eyes and clothing.  
Ensure adequate ventilation.  
Remove persons to safety.  
Keep away sources of ignition.

#### **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.

### **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.

#### **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 strong acids and 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**

##### **Occupational Exposure Limits (OEL) - Australia**

CAS No	Substance	ppm	mg/m <sup>3</sup>	Category
141-78-6	Ethyl acetate	200	720	TWA
141-78-6	Ethyl acetate	400	1440	STEL



## Safety Data Sheet

According to the Model WHS Regulations and the ADG code

### TIP TOP SOLVENT CF-R4

Revision date: 01.02.2021

Product code: 00156-0009AUS

Page 5 of 10

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL

#### 8.2. Exposure controls

##### Appropriate engineering 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.

##### Eye/face protection

Tightly fitting goggles.

Eye wash bottle with pure water.

##### Hand protection

Splash protection:

Protective gloves resistant to chemicals made off butyl, minimum coat thickness 0.7 mm, permeation resistance (wear duration) approx. 120 minutes, i.e. protective glove <Butoject 898> made by www.kcl.de.

Protective gloves resistant to chemicals made off nitrile, minimum coat thickness 0.4 mm, permeation resistance (wear duration) approx. 30 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.

##### Respiratory protection

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

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Colourless
Odour:	Solvent-like

#### Test method

pH-Value: Not determined

#### Changes in the physical state

Melting point: < - 20 °C

Initial boiling point and boiling range: > 76 °C

Sublimation point: Not applicable

Softening point: Not determined

Flash point: - 17 °C

#### Flammability



## Safety Data Sheet

According to the Model WHS Regulations and the ADG code

### TIP TOP SOLVENT CF-R4

Revision date: 01.02.2021

Product code: 00156-0009AUS

Page 6 of 10

Solid: Not applicable  
Gas: Not applicable

#### Explosive properties

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

Lower explosion limits: 2.1 vol. %  
Upper explosion limits: 11.5 vol. %  
Ignition temperature: 460 °C

#### Auto-ignition temperature

Solid: Not applicable  
Gas: Not applicable

Decomposition temperature: Not determined

#### Oxidizing properties

Not oxidising.

Vapour pressure: 100 hPa  
(at 20 °C)

Density (at 20 °C): 0.85 g/cm<sup>3</sup>  
Bulk density: Not applicable

Water solubility: Immiscible  
(at 20 °C)

#### Solubility in other solvents

Not determined

Partition coefficient: Not determined

Viscosity / dynamic: Not determined

Viscosity / kinematic: < 20.5 mm<sup>2</sup>/s  
(at 40 °C)

Flow time: < 30 s 3 DIN/ISO 2431

Vapour density: Not determined

Evaporation rate: Not determined

Solvent separation test: 0 %

Solvent content: 100 %

#### 9.2. Other 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 acids.  
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.



## Safety Data Sheet

According to the Model WHS Regulations and the ADG code

### TIP TOP SOLVENT CF-R4

Revision date: 01.02.2021

Product code: 00156-0009AUS

Page 7 of 10

#### **10.5. Incompatible materials**

Acids and oxidizing agents.

#### **10.6. Hazardous decomposition products**

Carbon monoxide and carbon dioxide

### **SECTION 11: Toxicological information**

#### **11.1. Information on toxicological effects**

##### **Acute toxicity**

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

No toxicological data available.

Ethyl acetate

LD50/oral/rat: 5620 mg/kg

LD50/dermal/rabbit: &gt; 18000 mg/kg

LC50/inhalation/rat: 56 mg/l/4 h

##### **Irritation and corrosivity**

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

##### **Sensitising 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.

##### **STOT-single exposure**

May cause drowsiness or dizziness. (Ethyl acetate ; Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics)

##### **STOT-repeated exposure**

Repeated exposure may cause skin dryness or cracking.

##### **Aspiration hazard**

May be fatal if swallowed and enters airways. (Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics)

##### **Practical experience**

##### **Other observations**

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

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

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

### **SECTION 12: Ecological information**

#### **12.1. Toxicity**

Ecological data are not available.

Toxic to aquatic life with long lasting effects.

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

LC50/EC50/EC50 : 1 - 10 mg/l

Ethyl acetate

LC50/EC50/EC50 : &gt; 100 mg/l

#### **12.2. Persistence and degradability**

No data available

#### **12.3. Bioaccumulative potential**

No data available

#### **12.4. Mobility in soil**

No data available



## Safety Data Sheet

According to the Model WHS Regulations and the ADG code

### TIP TOP SOLVENT CF-R4

Revision date: 01.02.2021

Product code: 00156-0009AUS

Page 8 of 10

#### **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**

Hazardous water pollutant.

#### **Further information**

Do not flush into surface water or sanitary sewer system.

### SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Advice on disposal**

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

##### **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 (ADG)**

<b><u>14.1. UN number:</u></b>	UN 1263
<b><u>14.2. UN proper shipping name:</u></b>	Paint related material
<b><u>14.3. Transport hazard class(es):</u></b>	3
<b><u>14.4. Packing group:</u></b>	II
Hazard label:	3
Special Provisions:	163 367
Limited quantity:	5 L

##### **Other applicable information (land transport)**

HAZCHEM: •3YE

#### **Marine transport (IMDG)**

<b><u>14.1. UN number:</u></b>	UN 1263
<b><u>14.2. UN proper shipping name:</u></b>	Paint related material
<b><u>14.3. Transport hazard class(es):</u></b>	3
<b><u>14.4. Packing group:</u></b>	II
Hazard label:	3
Special Provisions:	163, 367
Limited quantity:	5 L
Excepted quantity:	E2
EmS:	F-E, S-E

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

<b><u>14.1. UN number:</u></b>	UN 1263
<b><u>14.2. UN proper shipping name:</u></b>	Paint related material
<b><u>14.3. Transport hazard class(es):</u></b>	3





## Safety Data Sheet

According to the Model WHS Regulations and the ADG code

### TIP TOP SOLVENT CF-R4

Revision date: 01.02.2021

Product code: 00156-0009AUS

Page 9 of 10

<b>14.4. Packing group:</b>	II
Hazard label:	3
Special Provisions:	A3 A72 A192
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. Transport in bulk according to Annex II of Marpol and the IBC Code

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

2004/42/EC (VOC): 100 %

##### National regulatory information

Water contaminating class (D): 2 - clearly water contaminating

##### Additional information

Poison Schedule: 5

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.

All components of this mixture are listed on or exempted from AICS.

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Changes

Changes in chapter: 1

#### Abbreviations and acronyms

ADG = Australian Code for the Transport of Dangerous Goods by Road &amp; Rail

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

HAZCHEM = HAZardous CHEMicals



## Safety Data Sheet

According to the Model WHS Regulations and the ADG code

### TIP TOP SOLVENT CF-R4

Revision date: 01.02.2021

Product code: 00156-0009AUS

Page 10 of 10

WHS = Work Health and Safety  
NOHSC = National Occupational Health and Safety Commission (Australia)  
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 AUH phrases (number and full text)

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
AUH066	Repeated exposure may cause skin dryness or cracking.

#### 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.

---

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*