

# Safety Data Sheet

## Hazardous, Dangerous Goods

### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **Rivolta S.U.W. Spray**

Recommended use: Solvent-based cleaner.

**Supplier:** Fuchs Lubricants (Australasia) Pty Ltd  
**Street Address:** Head Office  
49 McIntyre Road  
Sunshine VIC 3020  
Australia

**Telephone:** +61 3 9300 6400 (Australia)  
+64 6 828 3255 (New Zealand)

**Website:** [www.fuchs.com.au](http://www.fuchs.com.au)

**Email:** [sds.au@fuchs.com](mailto:sds.au@fuchs.com)

**Emergency Telephone number:** Australia 1800 638 556 (24hr)  
New Zealand 0800 154 166 (24hr)

### 2. HAZARDS IDENTIFICATION

This material is hazardous according to the criteria of Safe Work Australia GHS 7.



#### Signal Word

Danger

#### Hazard Classification

Aerosols - Category 1

#### Hazard Statements

H222 Extremely flammable aerosol.  
H229 Pressurized container: may burst if heated.

#### Prevention Precautionary Statements

P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
P211 Do not spray on an open flame or other ignition sources.  
P251 Do not pierce or burn, even after use.

#### Response Precautionary Statement

Not allocated

#### Storage Precautionary Statement

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

#### Disposal Precautionary Statement

Not allocated

Poison Schedule: Not Applicable

# Safety Data Sheet



## DANGEROUS GOOD CLASSIFICATION

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

**Dangerous Goods Class:** 2.1

## 3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Mixture of components with propellant in aerosol can.		
Ethanol	64-17-5	20-<50 %
Cyclopentane	287-92-3	10-<20 %
Hydrocarbons, low viscosity	1174522-15-6	10-<20 %
Hydrocarbons, low viscosity		10-<20 %
Hydrocarbons, low viscous		5-<10 %
Isopropyl alcohol	67-63-0	1-<5 %
Propellants, as:		%
Propane	74-98-6	
Butane	106-97-8	
Isobutane (<0.1% 1,3-butadiene)	75-28-5	
		100%

## 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

**Inhalation:** Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

**Skin Contact:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

**Eye contact:** If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**Ingestion:** Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

**PPE for First Aiders:** Wear safety shoes, overalls, gloves, safety glasses. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Notes to physician:** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Product Name:** Rivolta S.U.W. Spray

**Reference No:** 5119

**Issued:** 2022-JUN-29

**Version:** 1.0

**Page 2 of 8**

# Safety Data Sheet



**Hazchem Code:** 2YE

**Suitable extinguishing media:** If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

**Specific hazards:** Extremely flammable aerosol. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

**Fire fighting further advice:** Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

## 6. ACCIDENTAL RELEASE MEASURES

### SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of gas. If safe to do so, isolate the leak. Increase ventilation to assist with dispersion.

### LARGE SPILLS

If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Use a spark-free shovel. If safe to do so, isolate the leak. Increase ventilation to assist with dispersion. If contamination of crops, sewers or waterways has occurred advise local emergency services.

**Dangerous Goods - Initial Emergency Response Guide No:** 49

## 7. HANDLING AND STORAGE

**Handling:** Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols.

**Storage:** Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Do not expose to temperatures exceeding 50 °C/122 °F. Keep containers closed when not in use - check regularly for leaks.

This material is classified as a Division 2.1 Flammable Gas as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National occupational exposure limits:**

	TWA		STEL		NOTICES
	ppm	mg/m3	ppm	mg/m3	
Butane	800	1900	-	-	-
Cyclopentane	600	1720	-	-	-
Ethyl alcohol	1000	1880	-	-	-
Isopropyl alcohol	400	983	500	1230	-
Propane	-	-	-	-	-

# Safety Data Sheet



As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

**Biological Limit Values:** As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

**Engineering Measures:** Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator.

**Personal Protection Equipment:** SAFETY SHOES, OVERALLS, GLOVES, SAFETY GLASSES.

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Wear safety shoes, overalls, gloves, safety glasses. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Hygiene measures:** Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form:** Aerosol  
**Colour:** Colourless  
**Odour:** Characteristic

**Solubility in water:** Partly soluble  
**Density:** 0.85 g/cm<sup>3</sup> @ 20°C  
**Relative Vapour Density (air=1):** N Av  
**Vapour Pressure (20 °C):** N Av  
**Flash Point (°C):** < -60  
**Flammability Limits (%):** N Av  
**Boiling Point/Range (°C):** N Av  
**pH:** N App  
**Viscosity:** <20.5 mm<sup>2</sup>/s @ 20°C  
**Total VOC (g/Litre):** N Av

(Typical values only - consult specification sheet)  
N Av = Not available, N App = Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical stability:** This material is thermally stable when stored and used as directed.

**Conditions to avoid:** Elevated temperatures and sources of ignition.

**Incompatible materials:** Strong oxidizing substances. Strong acids. Strong bases.

**Hazardous decomposition products:** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**Hazardous reactions:** No known hazardous reactions.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects

**Inhalation:** Material may be an irritant to mucous membranes and respiratory tract.

**Skin contact:** Contact with skin may result in irritation.

**Ingestion:** Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

**Eye contact:** May be an eye irritant.

### Acute toxicity

**Inhalation:** This material has been classified as not hazardous for acute inhalation exposure. Acute toxicity estimate (based on ingredients): LC<sub>50</sub> > 20,000 ppm for gases

Butane LC<sub>50</sub> (Rat): 658 mg/l (4h) Gas  
Cyclopentane LC<sub>50</sub> (Rat): >25.3 mg/l (Method: OECD 403)  
Hydrocarbons, low viscosity LC<sub>50</sub> (Rat): >5 mg/l (4h)  
Isopropyl alcohol LC<sub>50</sub> (Rat): 30 mg/l (4h)

**Skin contact:** This material has been classified as not hazardous for acute dermal exposure. Acute toxicity estimate (based on ingredients): LD<sub>50</sub> > 2,000 mg/Kg bw

Ethanol LD<sub>50</sub> (Rabbit): >20000 mg/kg (Method: OECD 402)  
Hydrocarbons, low viscosity LD<sub>50</sub> (Rabbit): >5001 mg/kg (Method: OECD 402)  
Hydrocarbons, low viscous LD<sub>50</sub> (Rabbit): 3160 mg/kg (Method: OECD 402)  
Isopropyl alcohol LD<sub>50</sub> (Rabbit): 13400 mg/kg

**Ingestion:** This material has been classified as not hazardous for acute ingestion exposure. Acute toxicity estimate (based on ingredients): LD<sub>50</sub> > 2,000 mg/Kg bw

Ethanol LD<sub>50</sub> (Rat): >6200 mg/kg  
Cyclopentane LD<sub>50</sub> (Rat): >5000 mg/kg (Method: OECD 423)  
Hydrocarbons, low viscosity LD<sub>50</sub> (Rat): >5001 mg/kg (Method: OECD 401)  
Hydrocarbons, low viscosity LD<sub>50</sub> (Rat): >10000 mg/kg  
Hydrocarbons, low viscous LD<sub>50</sub> (Rat): >5000 mg/kg (Method: OECD 401)  
Isopropyl alcohol LD<sub>50</sub> (Rat): 4570 mg/kg

**Corrosion/Irritancy:** Eye: this material has been classified as not corrosive or irritating to eyes. Skin: this material has been classified as not corrosive or irritating to skin.

**Sensitisation:** Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has

# Safety Data Sheet

been classified as not a skin sensitizer.

**Aspiration hazard:** This material has been classified as not an aspiration hazard.

**Specific target organ toxicity (single exposure):** This material has been classified as not a specific hazard to target organs by a single exposure.

## Chronic Toxicity

**Mutagenicity:** This material has been classified as not a mutagen.

**Carcinogenicity:** This material has been classified as not a carcinogen.

**Reproductive toxicity (including via lactation):** This material has been classified as not a reproductive toxicant.

**Specific target organ toxicity (repeat exposure):** This material has been classified as not a specific hazard to target organs by repeat exposure.

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

**Acute aquatic hazard:** This material has been classified as not hazardous for acute aquatic exposure. Acute toxicity estimate (based on ingredients): > 100 mg/L

Cyclopentane 48hr EC50 (Daphnia magna): 51.1 mg/l  
Hydrocarbons, low viscosity 48hr EC50 (Daphnia magna): >1000 mg/l  
Hydrocarbons, low viscous 48hr EC50 (Daphnia magna): >1000 mg/l (Method: OECD 202)  
Ethanol 48hr LC50 (Daphnia magna): 5012 mg/l  
Isopropyl alcohol 48hr LC50 (Daphnia magna): 1400 mg/l  
Propane 96hr LC50 (fish): >1000 mg/l  
Isobutane (<0.1% 1,3-butadiene) 96hr LC50 (fish): 28 mg/l  
Ethanol 96hr LC50 (fish): >2000 mg/l (Method: OECD 203)  
Cyclopentane 96hr LC50 (fish): 29.3 mg/l  
Hydrocarbons, low viscosity 96hr LC50 (fish): >1000 mg/l  
Hydrocarbons, low viscosity 96hr LC50 (fish): >101 mg/l  
Hydrocarbons, low viscous 96hr LC50 (fish): >1000 mg/l (Method: OECD 203)  
Isopropyl alcohol 96hr LC50 (fish): 9640 mg/l

**Long-term aquatic hazard:** This material has been classified as not hazardous for chronic aquatic exposure. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log K<sub>ow</sub> < 4.

Isobutane (<0.1% 1,3-butadiene) 72hr EC50 (algae): 8.6 mg/l (Method: OECD 201)  
Ethanol 72hr EC50 (algae): 275 mg/l (Method: OECD 201)  
Hydrocarbons, low viscosity 72hr EC50 (algae): >1001 mg/l  
Hydrocarbons, low viscous 72hr EC50 (algae): >1000 mg/l (Method: OECD 201)  
Cyclopentane 72hr LC50 (algae): 21.58 mg/l  
Isopropyl alcohol 72hr LC50 (algae): >100 mg/l

**Ecotoxicity:** No information available.

**Persistence and degradability:** No information available.

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

## 13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

## 14. TRANSPORT INFORMATION

### ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".



**UN No:** 1950  
**Dangerous Goods Class:** 2.1  
**Packing Group:** None  
**Hazchem Code:** 2YE  
**Emergency Response Guide No:** 49  
**Limited Quantities** See SP, 277

**Proper Shipping Name:** AEROSOLS

**Segregation Dangerous Goods:** Not to be loaded with explosives (Class 1), flammable liquids (Class 3), if both are in bulk, flammable solids (Class 4.1), spontaneously combustible substances (Class 4.2), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2) or radioactive substances (Class 7). Exemptions may apply.

### MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.



**UN No:** 1950  
**Dangerous Goods Class:** 2.1  
**Packing Group:** None

**Proper Shipping Name:** AEROSOLS

### AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.





# Safety Data Sheet



**UN No:** 1950  
**Dangerous Goods Class:** 2.1  
**Packing Group:** None

**Proper Shipping Name:** AEROSOLS, FLAMMABLE

## 15. REGULATORY INFORMATION

**This material/constituent(s) is covered by the following requirements:**

The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth): Not Applicable.

AICIS Status: All components of this product are listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC).

NZ EPA Status: All components of this product are listed on or exempt from the New Zealand Inventory of Chemical (NZIoC).

**HSNO Group Standard:** HSR002515 - Aerosols (Flammable) Group Standard 2020

## 16. OTHER INFORMATION

Reason for issue: First Issue

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.