

**MATERIAL SAFETY DATA SHEET**

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY /UNDERTAKING**

Product name: (RS)-1-Phenyl-2-(1-pyrrolidinyl)-1-propanone  
 Company: Sunmiles Limited  
 103 Sham Peng Tong Plaza  
 Seychelles  
 tel.ephone: +996 576987634  
 Emerneey telephone: +996 576987634

Use of substance || GC/MS (Gas chromatography-mass spectrometry) reference

**2. HAZARDS IDENTIFICATION**

**Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008  
 This substance is not classified as dangerous according to Directive 67/548/EEC.

**Label elements**

The product does not need to be labeled in accordance with EC directives or respective national laws.

**Precautionary Statement(s)**

P102: Keep out of reach of children  
 P232: Protect from moisture  
 P235: Keep cool.

**Other hazards** – none

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**(RS)-1-Phenyl-2-(1-pyrrolidinyl)-1-propanone**

Formula	Molecular Weight	CAS- No.	EC-No.	Index-No.	Classification	Concentraion
C13H17NO	203.28 g/mol	19134-50-0	-	-	-	-

For the full text of the H-Statements mentioned in this Section, see Section 16.

**4. FIRST AID MEASURES**

**If inhaled** ||if breathed in, move person into fresh air. If not breathing give artificial respiration.  
**In case of skin contact,** ||Wash off with soap and plenty of water.  
**In case of eye contact** ||Flush eyes with water as a precaution.  
**If swallowed** ||Never give anything by mouth to an unconscious person. Rinse mouth with water.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media** ||Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
**Special protective equipment for fire-fighters** ||Wear self contained breathing apparatus for fire fighting if necessary.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions** ||Use personal protective equipment. Avoid dust formaion. Avoid breathing dust. Ensure adequate ventilation.  
**Enviromental precautions** ||Do not let products enter drains.  
**Methods and material for containment and cleaning up** ||Pick up and arrange disposal without creating dust.  
 Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**  
 - Avoid contact with skin and eyes.

- Avoid formation of dust and aerosols.  
 - Provide appropriate exhaust ventilation at places where dust is formed.  
 - Normal measures for preventive fire protection.

**Conditions for safe storage**

- Store in cool place.  
 - Keep container tightly in a dry and well-ventilated place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Personal protective equipment**

*Respiratory protection*

-Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type PI (EN 143)  
 - Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

*Hand protection*

- The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN374 derived from it.  
 - Handle with gloves.

*Eve protection*

Safety glasses with side-shields conforming to EN166

*Skin and body protection*

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

*Hygiene measures*

- Handle in accordance with good industrial hygiene and safety practice.  
 - Wash hands before breaks and at the end of workday.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

Form ||solid

**Safety data**

pH ||no data available  
 Melting point ||77.81°C  
 Boiling point || 309.7 °C at 760 mmHg  
 Flash point ||110.6 °C  
 Ignition temperature ||no data available  
 Lower explosion limit ||no data available  
 Upper explosion limit ||no data available  
 Water solubility || no data available  
 I Solubility ||no data available  
 Flammability ||no data available  
 Oxidizing properties ||no data available  
 Vapour Pressure || 0.000628 mmHg at 25°C  
 Density ||1.062 g/cm3  
 Partition coefficient ||no data available (11-octanol/water)  
 Viscosity ||no data available  
 Vapour density ||no data available.  
 Evaporation rate ||no data available

**10. STABILITY AND REACTIVITY**

Chemical stability ||Stable under recommended storage conditions.  
 Conditions to avoid ||no data available  
 Materials to avoid ||Strong oxidizing agents  
 Hazardous decomposition products ||Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity ||no data available  
Skin corrosion/irritation ||no data available  
Serious eye damage/eye irritation ||no data available  
Respiratory or skin sensitization ||no data available  
Germ cell mutagenicity ||no data available  
Carcinogenicity ||IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or continued human carcinogen by IARC.

Reproductive toxicity ||no data available

### *Specific target organ toxicity*

-single exposure ||Inhalation - May cause respiratory irritation.

-repeated exposure ||no data available

Aspiration hazard ||no data available

### *Potential health effects*

Inhalation ||May be harmful if inhaled

Ingestion ||May be harmful if swallowed.

Skin ||May be harmful if absorbed through skin

Eyes ||May cause eye irritation

Signs and Symptoms of Exposure ||To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

Additional Information ||RTECS: Not available

## 12. ECOLOGICAL INFORMATION

Toxicity ||no data available

Persistence and degradability ||no data available

Bioaccumulative potential ||no data available

Mobility in soil ||no data available

PBT and vPvB assessment ||no data available

Other adverse effects ||no data available

## 13. DISPOSAL CONSIDERATIONS

### Product

-Offer surplus and non-recyclable solutions to a licensed disposal company

### Contaminated packaging

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

ADR/RID	IMGD	IATA
Not dangerous goods	Not dangerous goods	Not dangerous goods

This substance is not listed in the Annex I of Regulation (EC) No 689/2008.

## 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No 1272/2008.

This substance is not classified in the Annex I of Directive 67/548/EEC

This substance is not listed in the Annex of Regulation (EC) No 689/2008.

This substance is not listed in a priority list (as foreseen under Council Regulation (EEC) No 793/93 on the evaluation and control of the risks of existing substances

## 16. OTHER INFORMATION

### Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product and company makes no warranty of merchantability. Company shall not be held liable for any damage resulting from handling or from contact with the above product. Users should make their own investigations to determine the suitability of the information for their particular purposes.