

Safety Data Sheet

RHS405 & RHS406

Reynard Moisturising Antibacterial Hand Gel

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: Reynard Instant Antibacterial Hand Gel
Product Code: RHS405/RHS406
Identified use of product: An alcohol-based gel to sanitise the hands.
Company Name: Reynard Health Supplies (Aus) Pty Ltd
Address: Suite 403, Level 44 Hampden Road
Artarmon NSW 2064
Australia
Telephone: +61 1300 667 199
E-mail: enquiries@reynardhealth.com.au
Emergency Telephone: 13 11 26
Date of SDS Preparation: 24/01/2019

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:
Flam Liq. 2: H225, Eye Irrit. 2: H319, EUH 208

Classification according to Directive 1999/45/EEC:
F: R11, Xi: R36, R67

Human Health: May cause serious eye irritation. Vapours may cause drowsiness and dizziness.

Physical and Chemical Hazards

R11 - Highly flammable

R36 - Irritating to eyes

GHS Classification:

Flammable Liquid and vapour - Category 3

Eye Damage/Irritation - Category 2A

Specific Target Organ Toxicity (Single Exposure) - Category 3.

Label Elements



Signal Word: Warning

Hazard statements

Highly flammable liquid and vapour.
 Causes serious eye irritation.
 May cause respiratory irritation.
 May cause drowsiness or dizziness.

Precautionary statements

Prevention Keep away from heat/sparks/open flames/hot surfaces - No smoking.
 Read label before use.
 Ground/bond container and receiving equipment.
 Take precautionary measures against static discharge.
 Keep container tightly closed.
 Use explosion-proof electrical/ventilating/lighting equipment.
 Use only non-sparking tools. Take precautionary measures against static discharge.
 Wear protective gloves/eye protection/face protection.
 Wash thoroughly after handling.
 Avoid breathing mist/vapours/spray.
 Use in a well-ventilated area
 IF IN EYES: Rinse with water for 15 minutes. Seek prompt medical attention for signs of irritation.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

EINECS Number: Not applicable, preparation is a mixture.

Composition: A gel based on an aqueous solution of Ethyl alcohol and Chlorhexidine digluconate, which are listed in Annex II of Regulation (EC) 1451/2007 for Product Type 1, plus moisturisers, solubiliser, fragrance, a rheology modifying polymer and colouring agents, which are listed in Annex IV, Part 1 of Directive 76/768/EEC.

Declarable components	Conc. (%)	EC No.	CAS No.	Classification	
				67/548/EEC	1272/2008
Ethyl alcohol	70	200-578-6	64-17-5	F: R10, Xi: R36, R67	Flam Liq. 2: H225, Eye Irrit. 2: H319, STOT SE 3: H336.
Chlorhexidine digluconate	0.5	242-354-0	18472-51-0	Xi: R41, N: R50	R50 Eye Dam. 1: H318, Aquatic Acute 1: H400

4. FIRST AID MEASURES

Eye contact	If the gel comes into direct contact with the eyes, immediately flush the eye with plenty of water. If irritation develops, seek medical advice.
Skin contact	Not expected to present a skin hazard under normal conditions of use
Ingestion	If swallowed, wash out mouth thoroughly and give water to drink. Seek medical attention if significant amounts (eg more than a teaspoonful) are ingested, or for any symptoms occurring after ingestion. Do not induce vomiting, unless instructed by medical personnel.
Inhalation	Not considered to present an inhalation hazard under normal conditions of

	use.
Most Important symptoms and effects, both acute and delayed	No hazards which require special first aid measures
Indication of any immediate medical attention and special treatment needed	Treat symptoms as they occur.

5. FIRE FIGHTING MEASURES

Hazard type	Flammable liquid
Suitable extinguishing equipment	Water spray/fog, foam, Carbon dioxide and dry powder.
Extinguishing equipment which must NOT be used:	Water jet.
Special protective equipment and precautions for fire fighters	In the event of a large fire, toxic fumes containing oxides of carbon may be formed, which would necessitate the use of a self-contained breathing apparatus
HAZCHEM CODE	2YE

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid direct contact of the gel with the eyes. Ensure all sources of ignition are extinguished. Where protective equipment detailed in section 8.
Environmental precautions	Contact authorities, water company, and waste-water treatment plant as appropriate if significant contamination occurs.
Methods and materials for containment and cleaning up	Eliminate all sources of ignition, because vapour may travel considerable distance to source of ignition with resultant flash-back; absorb any impregnating fluid onto a suitable inert material, which should be collected mechanically with spilled product for subsequent disposal.

7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid prolonged exposure (ingestion, inhalation, or skin contact). Avoid breathing vapours. Use in well-ventilated areas. Keep product away from heat, sparks and flames.

Information about protection against explosions and fires:

- Keep ignition sources away – Do not smoke
- Protect from heat
- Protect against electrostatic charges

Conditions for safe storage:

Store under normal warehouse conditions away from possible sources of ignition.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure controls:

Ingredient	CAS NO.	STD	LTEL (8 hours)	STEL (15 minutes)
Ethyl alcohol	64-17-5	OES	1,920mg/m ³	No std

Personal protective equipment: None required under normal conditions of use.

Engineering controls:

For industrial use of the liquid, good general ventilation is recommended. Where exposure limits may be exceeded, local exhaust ventilation may be necessary.

Environmental exposure controls: Not available

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pale yellow/green gel
Odour	Fragranced
PH of impregnating fluid	Not available
Boiling point of impregnating fluid	ca. 80°C
Melting Point	Not available
Freezing point	-88 to -90°C (propan-2-ol)
Flash point of impregnating fluid	< 23°C
Flammability	Flammable
Upper and lower explosive limits	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Soluble in water
Partition coefficient	Not available
Auto-ignition temperature	Product is not self-igniting
Decomposition temperature	Not available
Viscosity	Not available

10. STABILITY AND REACTIVITY

Reactivity	Not available
Chemical stability	This product is stable under normal conditions
Possibility of hazardous reactions	None known
Conditions to avoid	Sources of ignition (e.g. heat, spark, flame).
Incompatible materials	Oxidising agents, ammonia, and chlorine. Contact with anionic substance will reduce effectiveness of the product
Hazardous decomposition products	None known

11. TOXICOLOGICAL INFORMATION

Based on the ingredients present and their concentrations, this preparation is, according to the conventional method of Directive 1999/45/EC and subsequent amendments, classified as ‘Dangerous’ according to health criteria.

Acute toxicity data

Oral LD50 (rat) value for the impregnating fluid calculated from those of the individual ingredients is >8,300 mg/kg.

Ethanol:

Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity: LC50 (Rat): 124.7 mg/l

Chlorhexidine digluconate (18472-51-0)

Oral LD50 Rat 2 g/kg

Irritancy

May cause eye irritation. Prolonged or repeat exposure may cause skin irritation.

Corrosivity:

May cause irritation, drying, defatting of the skin. Prolonged contact may cause dermatitis.

Sensitisation:

This product is not a respiratory or skin sensitization hazard.

Repeated dose toxicity:

May cause respiratory irritation and drowsiness or dizziness

Carcinogenicity:

This product is not reported to have any carcinogenic effects.

Mutagenicity:

Not available

Toxicity for reproduction:

This product is not reported to have any reproductive toxicity effects.

12. ECOLOGICAL INFORMATION

Based on the ingredients present and their concentrations, this preparation is, according to the conventional method of Directive 1999/45/EC and subsequent amendments, classified as not ‘Dangerous’ to the environment.

Ecotoxicity	Contains a substance (chlorhexidine digluconate) which can be toxic to aquatic organisms, but at the levels contained in this mixture it is not considered to be toxic
Persistence and degradability	Contains a substance (Chlorhexidine digluconate) which is not readily biodegradable.
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available

13. DISPOSAL CONSIDERATIONS

Disposal Method: Dispose of the preparation waste according to national and local regulations.

Precautions: None known

Disposal Methods to avoid: Do not flush. Do not dispose of significant quantities of the impregnating fluid into drains and water courses

14. TRANSPORT INFORMATION

This preparation is not classified as “Hazardous” for transport purposes.

Road and Rail Transport

UN No: 1170 1170
Class-primary 3
Packing Group III
Proper Shipping Name: ETHANOL

Air Transport

UN No: 1170 -- 1170
Class-primary 3
Packing Group III
Proper Shipping Name: ETHANOL

Marine Transport

UN No: 1170 1170
Class-primary 3
Packing Group III
Proper Shipping Name: ETHANOL

If transporting in quantities of <5L it is not treated as a Dangerous Good

Environmental hazards: Marine pollutant

Special precautions for user: Not available

15. REGULATORY INFORMATION

This preparation is classified as ‘Hazardous’ for labelling purposes.

Label for supply:

Hazard symbols

F Highly flammable



Xi Irritant



Risk Phrases:

R11 Highly flammable.

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

16. OTHER INFORMATION

Issue date: 31 January 2019

Review date: 31 January 2024

This Safety Data Sheet, which takes into consideration the requirements of Directive 1999/45/EC and subsequent amendments, has been prepared in accordance with Directive (EC) 1907/2006. It is believed to be correct and corresponds to the latest scientific/technical knowledge but all data, instructions, recommendations and/or suggestions are made without guarantee.

Risk phrases listed in Section 3:

R11 -Highly flammable

R36 -Irritating to eyes

R41 -Risk of serious damage to eyes.

R50 -Very toxic to aquatic organisms.

R67 - Vapours may cause drowsiness and dizziness.