

RYCO Group Ltd. Pty.

VERSION: 02.

PRINT DATE: 25.11.2022 REVISION DATE: 24.11.2022 COUNTRY: NEW ZEALAND **RYCO Foam Filter Cleaner RFA109** 

## 1 IDENTIFICATION

Product Name: RYCO Foam Filter Cleaner RFA109

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on

Use:

Foam filter cleaner. Used for cleaning Ryco foam air filters.

Details of Manufacturer or

Importer:

Ryco Group, a division of GUD NZ Holdings Ltd

19 Bell Avenue

Otahuhu, Auckland 1060

New Zealand

**Phone Number:** 0800 838 222

Emergency telephone number: National Poison Centre: 0800 POISON (0800 764-766)



RYC3105V2

1



RYCO Group Ltd. Pty.

VERSION: 02.

**PRINT DATE: 25.11.2022 REVISION DATE: 24.11.2022 COUNTRY: NEW ZEALAND** 

**RYCO Foam Filter Cleaner RFA109** 

## 2 HAZARD(S) IDENTIFICATION

Hazardous Nature: Classified as Hazardous according to the Globally Harmonised System of

> Classification and Labelling of Chemicals (GHS) and Health and Safety at Work (Hazardous Substances) Regulations 2017, New Zealand. Classified as Dangerous Goods for transport according to the New Zealand Standard NZS

5433:2020 Transport of Dangerous Goods on Land.

Flame



Flammable Liquids 2 H225 Highly flammable liquid and vapour.

Health hazard



Carcinogenicity 1 STOT RE 1

Aspiration Hazard 1

H340 May cause genetic defects.

H350 May cause cancer.

H372 Causes damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

**Environment** 



Aquatic Acute 1 H400 Very toxic to aquatic life. Aquatic Chronic 1

H410 Very toxic to aquatic life with long lasting effects.

**Skin Corrosion/Irritation 2** H315 Causes skin irritation.

**Serious Eye Damage/Irritation 2** H319 Causes serious eye irritation.

Signal Word Danger



RYCO Group Ltd. Pty.

VERSION: 02.

PRINT DATE: 25.11.2022 REVISION DATE: 24.11.2022 COUNTRY: NEW ZEALAND **RYCO Foam Filter Cleaner RFA109** 

### 2 HAZARD(S) IDENTIFICATION

#### **Hazard Statements**

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eve irritation.

H319 Causes serious eye irritation.H340 May cause genetic defects.

**H350** May cause cancer.

**H372** Causes damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.H410 Very toxic to aquatic life with long lasting effects.

### **Precautionary Statements**

**P201** Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

Reep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

**P233** Keep container tightly closed.

**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.

**P260** Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

**P270** Do not eat, drink or smoke when using this product.

**P273** Avoid release to the environment.

**P280** Wear protective gloves/protective clothing/eye protection/face

protection/hearing protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P321 Specific treatment (see on this label).

**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].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

**P308+P313** IF exposed or concerned: Get medical advice/attention.





RYCO Group Ltd. Pty.

VERSION: 02.

PRINT DATE: 25.11.2022 REVISION DATE: 24.11.2022 COUNTRY: NEW ZEALAND **RYCO Foam Filter Cleaner RFA109** 

## 2 HAZARD(S) IDENTIFICATION

### **Precautionary Statements**

P314 Get medical advice/attention if you feel unwell.
P362+P364 Take off contaminated clothing and wash it before reuse.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P370+P378 In case of fire: Use CO2, powder or water spray to extinguish.

P391 Collect spillage.

**P403+P235** Store in a well-ventilated place. Keep cool.

P405 Store locked up.

**P501** Dispose of contents/container in accordance with local/regional/national

regulations.

#### **3 COMPOSITION AND INFORMATION ON INGREDIENTS**

Chemical Characterization: Mixtures

**Description:** Mixture of substances listed below with non-hazardous additions.

### HAZARDOUS COMPONENTS:

HAZARDOUS COMPONENTS:			
CAS: 110-82-7	Cyclohexane  ♦ Flammable Liquids 2, H225; Aquatic Chronic 2, H411; ♦ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Inhalation) 4, H332	10-15%	
	Heptane, isomers of Flammable Liquids 2, H225; Aspiration Hazard 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Corrosion/Irritation 2, H315	10-15%	
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light  Germ Cell Mutagenicity 1, H340; Carcinogenicity 1, H350; STOT RE 1, H372; Aspiration Hazard 1, H304;  Skin Corrosion/Irritation 2, H315; Serious Eye Damage/Irritation 2, H319	5-15%	
CAS: 110-54-3	Hexane ♦ Flammable Liquids 2, H225; ♦ STOT RE1, H372; Aspiration Hazard 1, H304; Aspiration Hazard 1, H304; ♦ Aquatic Chronic 2, H411; ♦ Serious Eye Damage/Irritation 2, H319	5-15%	





RYCO Group Ltd. Pty.

VERSION: 02.

PRINT DATE: 25.11.2022 REVISION DATE: 24.11.2022 COUNTRY: NEW ZEALAND **RYCO Foam Filter Cleaner RFA109** 

### **4 FIRST AID MEASURES**

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration.

If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop. If large amounts are inhaled, seek medical attention

immediately.

**Skin Contact:** In case of skin contact, immediately remove contaminated clothing and

wash affected areas with water and soap. Seek medical attention if irritation

persists.

Eye Contact: In case of eye contact, rinse with water for several minutes. Remove contact

lenses, if present and easy to do.

Continue rinsing for at least 15 minutes. Seek medical attention if irritation

persists.

**Ingestion:** If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep

head below hips to prevent aspiration. Immediately rinse mouth with water.

Never give anything by mouth to an unconscious person. Seek medical

attention immediately.

Symptoms Caused by

Exposure:

Inhalation: May cause drowsiness or dizziness. May cause respiratory irritation. High concentrations may result in central nervous system depression or inhibited brain activity, loss of co-ordination, impaired judgement, and if exposure is prolonged, loss of consciousness, possible come, and death.

Skin Contact: Causes skin irritation.

Eye Contact: Causes serious eye irritation.

Ingestion: May cause gastrointestinal irritation, nausea, diarrhoea and vomiting. May cause central nervous system depression, inhibited brain activity, loss of co-ordination, impaired judgement, and loss of consciousness.

May be fatal if swallowed and enters airways.





RYCO Group Ltd. Pty.

VERSION: 02.

PRINT DATE: 25.11.2022 REVISION DATE: 24.11.2022 COUNTRY: NEW ZEALAND RYCO Foam Filter Cleaner RFA109

#### **5 FIRE FIGHTING MEASURES**

Suitable Extinguishing Media: Use alcohol-resistant foam, standard foam, or dry agent (carbon dioxide, dry

chemical powder).

Specific Hazards Arising from

the Chemical:

Hazardous combustion products include oxides of carbon and of nitrogen, along with other toxic fumes.

Product is highly flammable. Vapours can travel considerable distances and

flashback to its point of generation if it meets a source of ignition.

Containers close to fire should be removed only if safe to do so. Use water

spray to cool fire exposed containers.

Prevent run-off from fire fighting measures entering drains or water

courses.

HAZCHEM Code: • 3YE

Special Protective Equipment and Precautions for Fire

Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

#### **6 ACCIDENTAL RELEASE MEASURES**

Personal Precautions, Protective Equipment and Emergency Procedures: Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

**Environmental Precautions:** 

In the event of a major spill, prevent spillage from entering drains or water

courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools. Clean the affected area with water and detergent, and contain and absorb wash water

for disposal.





RYCO Group Ltd. Pty.

VERSION: 02.

**PRINT DATE: 25.11.2022 REVISION DATE: 24.11.2022 COUNTRY: NEW ZEALAND** 

RYCO Foam Filter Cleaner RFA109

#### 7 HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area. Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition, as well as sunlight. Keep away from oxidising agents. Do not weld, cut or drill on full or empty containers. Handling equipment must be grounded to prevent sparking. In areas where explosion hazard exists workers should be required to wear non-sparking boots.

#### 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

# **EXPOSURE STANDARDS:** CAS: 110-82-7 Cyclohexane

STEL: 1050 mg/m<sup>3</sup>, 300 ppm WES

TWA: 350 mg/m<sup>3</sup>, 100 ppm

CAS: 110-54-3 n-Hexane

WES TWA: 72 mg/m<sup>3</sup>, 20 ppm

Heptane, isomers of

STEL:  $2050 \text{ mg/m}^3$ , 500 ppm TWA:  $1640 \text{ mg/m}^3$ , 400 ppm**WES** 





RYCO Group Ltd. Pty.

VERSION: 02.

PRINT DATE: 25.11.2022 REVISION DATE: 24.11.2022 COUNTRY: NEW ZEALAND RYCO Foam Filter Cleaner RFA109

#### 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering Controls:** Provide exhaust ventilation or other engineering controls to keep the

airborne concentrations of vapour below occupational exposure standards.

Use explosion-proof ventilating equipment.

**Respiratory Protection:** Use an approved vapour respirator under conditions where exposure to

the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation)

and engineering controls are not feasible.

See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection: Impervious gloves. See Australian/New Zealand Standard AS/NZS 2161

for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered. Occupational protective clothing such as overalls (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New

Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:** Safety glasses with top and side shields or goggles. See Australian/New

Zealand Standards AS/NZS 1336 and 1337 for more information.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form: Liquid Colour: Clear

Odour:
Characteristic, solvent odour
No information available
No information available
No information available
No information available

Initial Boiling Point/Boiling Range: 75-118 °C Flash Point: <0 °C

Flammability: Highly flammable.

**Auto-ignition Temperature:**No information available
Decomposition Temperature:
No information available

**Explosion Limits:** 

Lower: 0.9 Vol % Upper: 7 Vol %





RYCO Group Ltd. Pty.

VERSION: 02.

PRINT DATE: 25.11.2022 REVISION DATE: 24.11.2022 COUNTRY: NEW ZEALAND **RYCO Foam Filter Cleaner RFA109** 

#### 9 PHYSICAL AND CHEMICAL PROPERTIES

Vapour Pressure: No information available

Relative Density: 0.830
Vapour Density: >1 (air=1)

**Evaporation Rate:** No information available

**Solubility in Water:**Solubility in Solvents:
Insoluble

Partition Coefficient (n-octanol/water): No information available

**Viscosity at 40 °C:** <20.5 mm<sup>2</sup>/s

### **10 STABILITY AND REACTIVITY**

Possibility of Hazardous Reactions: No dangerous reactions known under conditions of normal use.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid: Heat, sparks, open flames, hot surfaces and direct sunlight.

**Incompatible Materials:** Oxidising agents.

**Hazardous Decomposition** Oxides of carbon and of nitrogen, along with other toxic fumes.

Products:

### 11 TOXICOLOGICAL INFORMATION

#### Toxicity:

LD50/LC50 VALUES:		
CAS: 110-82-7 Cyclohexane		
Oral	LD50	12,705 mg/kg (rat)
CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light		
Oral Inhalation	LD50 LD50 L50/4 h	4,820 mg/kg (rat) >1,900 mg/kg (rabbit) >4.96 mg/l (rat)
CAS: 110-54-3 Hexane		1.55 mg/ : (1.55)
Oral Inhalation	LD50 LD50 L50/4 h	15,720 mg/kg (rat) >2,000 mg/kg (rabbit) 17,600 mg/m³ (rat)





RYCO Group Ltd. Pty.

VERSION: 02.

PRINT DATE: 25.11.2022 REVISION DATE: 24.11.2022 COUNTRY: NEW ZEALAND **RYCO Foam Filter Cleaner RFA109** 

#### 11 TOXICOLOGICAL INFORMATION

**Acute Health Effects** 

**Inhalation:** May cause drowsiness or dizziness. May cause respiratory irritation. High

concentrations may result in central nervous system depression or inhibited brain activity, loss of co-ordination, impaired judgement, and if exposure is

prolonged, loss of consciousness, possible coma, and death.

**Skin:** Causes skin irritation.

**Eye:** Causes serious eye irritation.

**Ingestion:** May cause gastrointestinal irritation, nausea, diarrhoea and vomiting. May

cause central nervous system depression, inhibited brain activity, loss of co-ordination, impaired judgement, and loss of consciousness. May be fatal if

swallowed and enters airways.

**Skin Corrosion / Irritation:** Causes skin irritation.

Serious Eye Damage /

Irritation:

Causes serious eye irritation.

Respiratory or Skin

Sensitisation:

Based on classification principles, the classification criteria are not met.

**Germ Cell Mutagenicity:** May cause genetic defects.

Carcinogenicity: May cause cancer. Petroleum solvents are classified by IARC as Group 3 -

Not classifiable as to its carcinogenicity to humans.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity

(STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity

(STOT) - Repeated Exposure:

Causes damage to organs through prolonged or repeated exposure.

**Aspiration Hazard:** May be fatal if swallowed and enters airways.

Chronic Health Effects: No information available

**Existing Conditions** 

Aggravated by Exposure:

No information available



RYCOFILTERS.COM.AU | RYCO.CO.NZ



RYCO Group Ltd. Pty.

VERSION: 02.

PRINT DATE: 25.11.2022 REVISION DATE: 24.11.2022 COUNTRY: NEW ZEALAND RYCO Foam Filter Cleaner RFA109

#### 12 ECOLOGICAL INFORMATION

**Ecotoxicity:** 

**Aquatic toxicity:** Very toxic to aquatic life with long lasting effects.

CAS: 110-82-7 Cyclohexane

 EC50/48 h
 0.93 mg/l (crustacea)

 EC50/72 h
 9.32 mg/l (algae)

 LC50/96 h
 4.53 mg/l (fish)

CAS: 110-54-3 Hexane

EC50/48 h >3.5 mg/l (crustacea) LC50/96 h >1,000 mg/l (fish)

Persistence and Degradability: No data available on finished product.

**Bioaccumulative Potential:** No data available on finished product.

**Mobility in Soil:** No data available on finished product.

**Other adverse effects:** No further relevant information available.

### 13 DISPOSAL CONSIDERATIONS

Disposal Methods and

Containers:

Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

inf

Please consult your state Land Waste Management Authority for more information.





RYCO Group Ltd. Pty.

VERSION: 02.

PRINT DATE: 25.11.2022 REVISION DATE: 24.11.2022 COUNTRY: NEW ZEALAND **RYCO Foam Filter Cleaner RFA109** 

#### 14 TRANSPORT INFORMATION

UN Number NZS, IMDG, IATA UN1993

Proper Shipping Name

NZS 5433

FLAMMABLE LIQUID, N.O.S. (CONTAINS LIQUID

HYDROCARBONS), ENVIRONMENTALLY

**HAZARDOUS** 

IMDG, IATA FLAMMABLE LIQUID, N.O.S. (CONTAINS LIQUID

HYDROCARBONS)

Dangerous Goods Class

NZS 5433:

3

Packing Group: NZS, IMDG, IATA Ш

Marine pollutant: Yes

**EMS Number:** F-E,S-E

Hazchem Code: 3YE

Special Provisions: 274, 330

Excepted quantities (EQ): E2

Limited Quantities: 1L

Packagings & IBCs - Packing

Instruction:

P001, IBC02

**T7** 

Portable Tanks & Bulk

Containers - Instructions:

Portable Tanks & Bulk

Containers - Special

**Provisions:** 

TP1, TP8, TP28





RYCO Group Ltd. Pty.

VERSION: 02.

PRINT DATE: 25.11.2022 REVISION DATE: 24.11.2022 COUNTRY: NEW ZEALAND **RYCO Foam Filter Cleaner RFA109** 

#### 15 REGULATORY INFORMATION

HSNO Approval Code / Group

Standard:

Industrial and Institutional Cleaning Products (Flammable, Carcinogenic)

Group Standard 2020 HSNO Approval Number: HSR002589

New Zealand Inventory of

Chemicals

All ingredients are listed.

#### **16 OTHER INFORMATION**

Date of Preparation or Last

**Revision:** 

24.11.2022

Prepared by: MSDS.COM.AU Pty Ltd www.msds.com.au

**Abbreviations and acronyms:** ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of

Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical

Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit TWA: Time Weighted Average WES: Workplace Exposure Standard

Flammable Liquids 2: Flammable liquids – Category 2 Acute Toxicity (Oral) 4: Acute toxicity – Category 4

Skin Corrosion/Irritation 2: Skin corrosion/irritation - Category 2 Serious Eye Damage/Irritation 2: Serious eye damage/eye irritation -

Category 2

Germ Cell Mutagenicity 1: Germ cell mutagenicity - Category 1

Carcinogenicity 1: Carcinogenicity - Category 1

STOT RE 1: Specific target organ toxicity (repeated exposure) - Category 1

Aspiration Hazard 1: Aspiration hazard - Category 1





RYCO Group Ltd. Pty.

VERSION: 02.

Disclaimer

PRINT DATE: 25.11.2022
REVISION DATE: 24.11.2022
COUNTRY: NEW ZEALAND

**RYCO Foam Filter Cleaner RFA109** 

#### **16 OTHER INFORMATION**

Abbreviations and acronyms: Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute).

Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term

(Chronic). Category 1

Aguatic Chronic 2: Hazardous to the aguatic environment, long-term

(Chronic). Category 2

This SDS is prepared in accord with the New Zealand Chemical Industry

Council document 'Code of Practice

(No. HSNO CoP 8-1 09-06)' and Hazardous Substances (Safety Data

Sheets) Notice 2020.

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. GUD NZ Holdings Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.