

SAFETY DATA SHEET - ACCORDING TO WHS REGULATIONS

RYCO Group Ltd. Pty.
VERSION: 02.
PRINT DATE: 25.11.2022
REVISION DATE: 22.11.2022
COUNTRY: AUSTRALIA

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 Pty Ltd 29 Taras Avenue Altona North, VIC 3020 Australia
Phone Number:	(03) 9243 3333
Emergency telephone number:	National Poisons Information Centre: 13 11 26

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2 HAZARD(S) IDENTIFICATION

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria. Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).

Flame



Flammable Liquids 2

H225 Highly flammable liquid and vapour.

Health hazard



Germ Cell Mutagenicity 1B Carcinogenicity 1A Toxic To Reproduction 2 STOT RE 1 Aspiration Hazard 1

H340 May cause genetic defects.
H350 May cause cancer.
H361 Suspected of damaging fertility or the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.

Environment



Aquatic Acute 1 Aquatic Chronic 1

H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.



Skin Corrosion/Irritation 2 Eye Irritation 2A STOT SE 3

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Signal Word

Danger

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Hazard Statements

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H340	May cause genetic defects.
H350	May cause cancer.
H361	Suspected of damaging fertility or the unborn child.
H336	May cause drowsiness or dizziness.
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.
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.
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.
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/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].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
P312	Call a POISON CENTER/doctor if you feel unwell.

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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.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use CO2, powder or water spray to extinguish.
P391	Collect spillage.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
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:

CAS: 110-82-7	Cyclohexane ⚠️ Flammable Liquids 2, H225; ⚠️ Aspiration Hazard 1, H304; ⚠️ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠️ Skin Corrosion/Irritation 2, H315; STOT SE3, H336	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; STOT SE3, H336	10-15%
CAS: 110-54-3	n-Hexane ⚠️ Flammable Liquids 2, H225; ⚠️ Toxic To Reproduction 2, H361; STOT RE 2, H373; Aspiration Hazard 1, H304; ⚠️ Aquatic Chronic 2, H411; ⚠️ Skin Corrosion/Irritation 2, H315; STOT SE 3, H336	5-15%
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light ⚠️ Germ Cell Mutagenicity 1B, H340; Carcinogenicity 1A, H350; STOT RE 1, H372; Aspiration Hazard 1, H304; ⚠️ Skin Corrosion/Irritation 2, H315; Eye Irritation 2A, H319	5-15%

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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:	<p>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.</p> <p>Skin Contact: Causes skin irritation.</p> <p>Eye Contact: Causes serious eye irritation.</p> <p>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.</p>

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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.

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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

WES STEL: 1050 mg/m³, 300 ppm
TWA: 350 mg/m³, 100 ppm

CAS: 110-54-3 n-Hexane

WES TWA: 72 mg/m³, 20 ppm

Heptane, isomers of

WES STEL: 2050 mg/m³, 500 ppm
TWA: 1640 mg/m³, 400 ppm

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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
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	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 %

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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: Insoluble
 Solubility in Solvents: Soluble
 Partition Coefficient (n-octanol/water): No information available
 Viscosity at 40 °C: <20.5 mm²/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 Products: Oxides of carbon and of nitrogen, along with other toxic fumes.

11 TOXICOLOGICAL INFORMATION

Toxicity:

LD50/LC50 VALUES:

CAS: 110-82-7 Cyclohexane

Oral	LD50	12,705 mg/kg (rat)
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CAS: 110-54-3 n-Hexane

Oral	LD50	15,720 mg/kg (rat)
	LD50	>2,000 mg/kg (rabbit)
Inhalation	L50/4 h	17,600 mg/m ³ (rat)

CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light

Oral	LD50	4,820 mg/kg (rat)
	LD50	>1,900 mg/kg (rabbit)
Inhalation	L50/4 h	>4.96 mg/l (rat)

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1.1 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:	Suspected of damaging fertility or the unborn child.
Specific Target Organ Toxicity (STOT) - Single Exposure:	May cause drowsiness and dizziness.
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

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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)
EC50/48 h	9.32 mg/l (algae)
LC50/96 h	4.53 mg/l (fish)

CAS: 110-54-3 n-Hexane

EC50/48 h	TWA: 72 mg/m ³ , 20 ppm
LC50/96 h	

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

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14 TRANSPORT INFORMATION

UN Number ADG, IMDG, IATA	UN1993
Proper Shipping Name ADG	FLAMMABLE LIQUID, N.O.S. (CONTAINS LIQUID HYDROCARBONS), ENVIRONMENTALLY HAZARDOUS
IMDG, IATA	FLAMMABLE LIQUID, N.O.S. (CONTAINS LIQUID HYDROCARBONS)
Dangerous Goods Class ADG Class:	3
Packing Group: ADG, IMDG, IATA	II
Marine pollutant:	Yes
EMS Number:	F-E,S-E
Hazchem Code:	•3YE
Special Provisions:	274
Excepted quantities (EQ):	E2
Limited Quantities:	1L
Packagings & IBCs - Packing Instruction:	P001, IBC02
Portable Tanks & Bulk Containers - Instructions:	T7
Portable Tanks & Bulk Containers - Special Provisions:	TP1, TP29

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15 REGULATORY INFORMATION

Australian Inventory of Industrial Chemicals: All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule: Poisons Schedule: 5

16 OTHER INFORMATION

Date of Preparation or Last Revision: 22.11.2022

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
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)
Flammable Liquids 2: Flammable liquids – Category 2
Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B
Carcinogenicity 1A: Carcinogenicity – Category 1A
Toxic To Reproduction 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Aspiration Hazard 1: Aspiration hazard – Category 1

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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
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - July 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. RYCO Group Pty 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.