

Product RELOAD 8 ROOM FRAGRANCE CONCENTRATE
 Revision date 21 June 2017
 Revision 1



Safety Data Sheet (SDS)

Section 1: Identification of the substance/preparation and of the company/undertaking

1.1 Product identifier

Product name RELOAD 8 ROOM FRAGRANCE CONCENTRATE
Product no. REAQUAAIR
Synonyms, Trade names No information available.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Air Freshener.
Uses advised against No uses advised against are identified.

1.3 Details of the supplier of the safety data sheet

Supplier Kitchenmaster NI Ltd
 11 Comber Road
 Belfast
 BT8 8AN
 United Kingdom
 Tel: 028 9081477 02890812881
 sales@kitchenmaster-ni.com

Contact person

1.4 Emergency telephone number

Emergency telephone Emergency Telephone Number: 028 9081 4777 08:30 - 17:00 Monday to Thursday 08:30 - 16:30 Friday

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)
 Physical and chemical hazards Flam. Liq 3- H226
 Human health Not classified
 Environment Aquatic Chronic 3 - H412

2.2 Label elements

Contains Not applicable

Label in accordance with (EC) no. 1272/2008



Signal word Danger

Hazard statements H226 Flammable liquid and vapour.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

P210 Keep away from heat/ sparks/open flames/hot surfaces. — No smoking.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/ protective clothing/eye protection/face protection.

Response

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated

clothing. Rinse skin with water/ shower.
 P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.

Storage

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

EUH statements

EUH208 Contains citral and (R)-p-mentha-1,8-diene d-limonene. May produce an allergic reaction.

2.3 Other hazards

None known.

Section 3: Composition/identification of ingredients**3.1 Substance**

Not applicable.

3.2 Mixtures

Name	Product identifier	Reg. EU 1272/2008	%
Ethanol	CAS-No.: 64-17-5 EC No.: 200-578-6 REACH Reg No.: 01-2119457610-43	Eye Irrit.2A - H319, Flam. Liq 2- H225	10-30%
Alcohols, C12-15, ethoxylated	CAS-No.: 68131-39-5 EC No.: 500-195-7	Eye Dam. 1 - H318, Aquatic Acute 1 - H400, Aquatic Chronic 3 - H412	0.1-1%
(R)-p-mentha-1,8-diene d-limonene	CAS-No.: 5989-27-5 EC No.: 227-813-5	Flam. Liq 3- H226, Skin Irrit.2 - H315, Skin. Sens 1 - H317, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	0.1-0.9%
citral	CAS-No.: 5392-40-5 EC No.: 226-394-6	Skin Irrit.2 - H315, Skin. Sens 1 - H317	0.1-0.9%

The full text for all hazard statements are displayed in section 16.

Composition comments

The data shown are in accordance with the latest EC Directives.

Section 4: First aid measures**4.1 Description of first aid measures****General information**

Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor. Seek medical attention for all burns and eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue.

Inhalation

Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

Ingestion

If this product is ingested, remove victim immediately from source of exposure. Rinse mouth thoroughly. Do not induce vomiting. Provide fresh air, warmth and rest. Get medical attention. Never give anything by mouth to an unconscious person.

Skin contact

Remove victim immediately from source of exposure. Remove contaminated clothing, shoes and jewelry and wash before reuse. Wash the skin immediately with water. Obtain medical attention if irritation persists or if blistering occurs.

Eye contact

Do not rub eye. If this product contacts the eyes, gently flush eyes with water for at least fifteen (15) minutes, lifting the upper and lower eyelids occasionally. Remove contact lenses if present and easy to do so. Avoid contaminating unaffected eye. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed**General information**

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication.

Ingestion

Can cause central nervous system (CNS) depression. May cause nausea, headache, dizziness and intoxication.

Skin contact

Prolonged contact with skin may cause irritation. May cause an allergic skin reaction.

Eye contact May cause temporary eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to the physician Treat symptomatically.

Section 5: Fire-fighting measures

5.1 Extinguishing media

Extinguishing media Use fire-extinguishing media appropriate for surrounding materials. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media High volume water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products When heated, toxic and corrosive vapours/gases may be formed. During fire, toxic gases (CO, CO₂) are formed.

Unusual fire & explosion hazards Vapours are heavier than air and may spread near ground to sources of ignition.

Specific hazards Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂). In the event of damage to packaging, floors may become slippery, avoid falls.

5.3 Advice for firefighters

Special fire fighting procedures If possible, fight fire from protected position. Avoid breathing fire vapours. Ventilate closed spaces before entering them. Containers close to fire should be removed immediately or cooled with water if safe to do so. Dike and collect extinguishing water.

Protective equipment for firefighters Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Eliminate all sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. In case of inadequate ventilation, use respiratory protection. Do not touch or walk through spilled material. If necessary evacuate surrounding areas.

For emergency responders Follow safe handling advice and personal protective equipment recommendations for normal use of product.

6.2 Environmental precautions

Environmental precautions Do not discharge onto the ground or into water courses. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body

6.3 Methods and material for containment and cleaning up

Spill clean up methods Stop leak if possible without risk. DO NOT touch spilled material! Eliminate all ignition sources. When dealing with a spillage, wear necessary protective equipment. Ventilate and evacuate the area. Cover drains. Absorb spillage with non-combustible, inert absorbent material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Wash thoroughly after dealing with a spillage. Floors may become slippery, avoid falls.

6.4 Reference to other sections

Reference to other sections See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handling

Read and follow manufacturer's recommendations. Use proper personal protection when handling (refer to Section 8). Do not handle broken packages without protective equipment. Do not use contact lenses.

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Do not eat, drink or smoke when using the product. Wash thoroughly after handling. Ventilate well, avoid breathing vapours

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions

Keep upright, locked up and out of reach of children. Keep the product in its original container. Store in cool dry areas away from direct sunlight or sources of ignition. Keep away from oxidizing agents and acids.

Storage class

Flammable liquid storage.

7.3 Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage description

Use only according to directions. Replace and tighten cap after use.

Section 8: Exposure controls/Personal protection

8.1 Control parameters

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
Ethanol	OEL			1000 ppm		
Ethanol	WEL	1000 ppm	1920 mg/m ³			

Ingredient comments

WEL - Workplace Exposure Limits - EH40/2005 Workplace exposure limits.
OEL - Occupational Exposure Limit - Ireland, Occupational Exposure Limits 2016.

8.2 Exposure Controls

Protective equipment



Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

If ventilation is inadequate, suitable respiratory protection must be worn. EN 136/140/145/143/149. The specific respirator selected must be based on contamination levels found in the work place. Where risk assessment shows air-purifying respirators are appropriate a full face respirator conforming to EN143 should be used, and suitable respirator cartridges as a backup to engineering controls. Use respiratory equipment with gas filter, type A: organic vapours (EN141). Consult manufacturer for specific advice. Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374) is recommended. (EU Directive 89/686/EEC). Gloves must be inspected prior to use. Suggested material: Rubber (natural, latex) Consult manufacturer for advice.

Hand protection

Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Eye protection

Wear safety goggles or face shield to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).

Other protection

Wear appropriate clothing to prevent skin contact. The selected clothing must satisfy the European norm standard EN 943. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Work clothing worn by personnel shall be

Hygiene measures	laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.
Process conditions	Observe normal hygiene standards. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke. Wash hands after use. Ensure that eye flushing systems and safety showers are located close by in the work place.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Clear, fluorescent yellow.
Odour	Strong Lemon fragrance.
Odour threshold - lower	No information available.
Odour threshold - upper	No information available.
pH-Value, Conc. Solution	8.00
pH-Value, Diluted solution	No information available.
Melting point	No information available.
Initial boiling point and boiling range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Flammability state	No information available.
Flammability limit - lower(%)	No information available.
Flammability limit - upper(%)	No information available.
Vapour pressure	No information available.
Vapour density (air=1)	No information available.
Relative density	0.965g/cm ³ @ 20.00 °C
Bulk density	No information available.
Solubility	Soluble in water.
Decomposition temperature	No information available.
Partition coefficient; n-Octanol/Water	No information available.
Auto ignition temperature (°C)	No information available.
Viscosity	No information available.
Explosive properties	Not classified as explosive.
Oxidising properties	No information available.

9.2 Other information

Molecular weight	No information available.
Volatile organic compound	No information available.
Other information	None noted.

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity	Reaction with: Strong oxidising agents.
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10.2 Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3 Possibility of hazardous reactions

Hazardous reactions	Avoid strong oxidizers.
Hazardous polymerisation	Will not polymerise.
Polymerisation description	Not applicable.

10.4 Conditions to Avoid

Conditions to avoid	Heat, sparks, open flames, temperature extremes and direct sunlight.
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10.5 Incompatible materials

Materials to avoid	Do not mix with other chemicals unless listed on directions. Avoid contact with Alkali metals, Ammonia, Oxidizing agents, and Peroxides.
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10.6 Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicological information	No toxicological information for the overall finished product.
Acute toxicity (Oral LD50)	Alcohols, C12 -15, ethoxylated (CAS 68131-39-5): > 5000 mg/kg, Rat. REACH dossier information.
Acute toxicity (Dermal LD50)	Alcohols, C12 -15, ethoxylated (CAS 68131-39-5): > 2000 mg/kg, Rat. REACH dossier information.
Acute toxicity (Inhalation LD50)	Alcohols, C12 -15, ethoxylated (CAS 68131-39-5): > 1.6 mg/l, (dust/mist, Rat, 4 hours.) REACH dossier information.
Serious eye damage/irritation	May cause temporary eye irritation.
Skin corrosion/irritation	No information available.
Respiratory sensitisation	No information available.
Skin sensitisation	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Specific target organ toxicity - Single exposure:	
STOT - Single exposure	No information available.
Specific target organ toxicity - Repeated exposure:	
STOT - Repeated exposure	No information available.
Inhalation	In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication.
Ingestion	Can cause central nervous system (CNS) depression. May cause nausea, headache, dizziness and intoxication.
Skin contact	Prolonged contact with skin may cause irritation. May cause an allergic skin reaction.
Eye contact	May cause temporary eye irritation.
Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Routes of entry	No information available.

Target organs	Eyes, skin, digestive system, respiratory system.
Aspiration hazards:	No information available.
Reproductive toxicity:	No information available.

Name	LD50 oral	LD50 dermal	LD50 inhalation
Ethanol	>2000.00mg/kg Rat	>2000.00mg/kg Rabbit	>20.00mg/l (vapours) Rat 4 Hours

Section 12: Ecological information

12.1 Toxicity

Acute toxicity - Fish	Alcohols, C12 -15, ethoxylated (CAS 68131-39-5) LC50: (96 hours) 0.59 mg/l, Pleuronectes platessa. REACH dossier information.
Acute toxicity - Aquatic invertebrates	Alcohols, C12 -15, ethoxylated (CAS 68131-39-5) EC50: (48 hours) 0.14 mg/l, Daphnia magna. REACH dossier information.
Acute toxicity - Aquatic plants	Alcohols, C12 -15, ethoxylated (CAS 68131-39-5) EC50: (72 hours) 0.75 mg/l, Selenastrum capricornutum. REACH dossier information.
Acute toxicity - Microorganisms	No information available.
Chronic toxicity - Fish	No information available.
Chronic toxicity - Aquatic invertebrates	No information available.
Chronic toxicity - Aquatic plants	No information available.
Chronic toxicity - Microorganisms	No information available.
Ecotoxicity	The product contains a substance which is harmful to aquatic organisms.
Eco toxicological information	Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

Degradability	No information available.
Biological oxygen demand	No information available.
Chemical oxygen demand	No information available.

12.3 Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.
Bioaccumulation factor	No information available.
Partition coefficient; n-Octanol/Water	No information available.

12.4 Mobility in soil

Mobility	Completely soluble in water.
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12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	No information available.
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12.6 Other adverse effects

Other adverse effects	None known.
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Name	Acute toxicity (Fish)	Acute toxicity (Aquatic invertebrates)	Acute toxicity (Aquatic plants)
Ethanol	LC50 96 Hours 15300.00mg/l Pimephales promelas (Fat-head Minnow)	EC50 48 Hours >10000.00mg/l Daphnia magna	
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) and 2-methyl-4-isothiazol-n-3-one [EC no. 220-239-6] (3:1)	LC50 96 Hours 0.19mg/l Onchorhynchus mykiss (Rainbow Trout)	EC50 48 Hours 0.16mg/l Daphnia magna	EC50 72 Hours 0.01mg/l Selenastrum Capricornutum

Section 13: Disposal considerations

Waste management When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1 Waste treatment methods

Disposal methods Dispose of waste and residues in accordance with local authority requirements.

Section 14: Transport information**14.1 UN number**

UN no. (ADR) UN1993
UN no. (IMDG) UN1993
UN no. (IATA) UN1993

14.2 UN proper shipping name

ADR proper shipping name FLAMMABLE LIQUID, N.O.S. (Ethanol)
IMDG proper shipping name FLAMMABLE LIQUID, N.O.S. (Ethanol)
IATA proper shipping name FLAMMABLE LIQUID N.O.S. (Ethanol)

14.3 Transport hazard class(es)

ADR class 3
IMDG class 3
IATA class 3

Transport labels

**14.4 Packing group**

ADR/RID/ADN packing group III
IMDG packing group III
IATA packing group III

14.5 Environmental hazards

ADR No
IMDG No
IATA No

14.6 Special precautions for user

EMS F-E, S-E
Emergency action code A3 A148
Hazard no. (ADR) 30
Tunnel restriction code (D/E)

14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code

Not applicable.

Section 15: Regulatory information**15.1 Safety, health and environmental regulations/Legislation specific for the substance or mixture**

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006.

Approved code of practice Workplace Exposure Limits Guidance Note EH40/2005.

2016 Code of Practice for the Chemical Agents Regulations in accordance with section 60 of the Safety, Health and Welfare at Work Act 2005 (No. 10 of 2005).

Chemical safety assessment No chemical safety assessment has been carried out.

Section 16: Other information

General information	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
Revision comments	This is a first issue.
Revision date	21 June 2017
Revision	1
Safety data sheet status	Approved.

Hazard statements in full

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H410	Very toxic to aquatic life with long lasting effects.
H304	May be fatal if swallowed and enters airways.
H411	Toxic to aquatic life with long lasting effects.
H272	May intensify fire; oxidiser.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H331	Toxic if inhaled.
EUH208	Contains citral and (R)-p-mentha-1,8-diene d-limonene. May produce an allergic reaction.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.