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SAFETY DATA SHEET

1. Identification

Product identifier: Raymond Citrus Degreaser - 990-400/RDI

Other means of identification

SDS number: RE1000040387

Recommended restrictions

Product Use: Cleaner

Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information

Manufacturer

Company Name: RAYMOND CORPORATION Address: 6650 KIRKVILLE ROAD

EAST SYRACUSE, NY 13057

Telephone: 1-315-463-5000

Fax:

Emergency telephone number: 1-866-836-8855

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Flammable aerosol Category 1

Health Hazards

Serious Eye Damage/Eye Irritation Category 2A
Skin sensitizer Category 1
Aspiration Hazard Category 1

Environmental Hazards

Acute hazards to the aquatic Category 2

environment

Chronic hazards to the aquatic Category 2

environment

Label Elements

Hazard Symbol:



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Signal Word: Danger

Hazard Statement: Extremely flammable aerosol.

Causes serious eye irritation.

May cause an allergic skin reaction.

May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Avoid release to

the environment.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water/# If skin irritation or rash occurs: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER/doctor/# Do NOT induce vomiting. Specific treatment (see on this label). Wash contaminated

clothing before reuse. Collect spillage.

Storage: Protect from sunlight. Do not expose to temperatures exceeding

50°C/122°F. Store locked up.

Disposal: Dispose of contents/container to an appropriate treatment and disposal

facility in accordance with applicable laws and regulations, and product

characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC):

None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Distillates (petroleum), hydrotreated light	64742-47-8	25 - <50%
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	20 - <50%
2-Propanone	67-64-1	10 - <20%
Hexanedioic acid, 1,6-dimethyl ester	627-93-0	10 - <25%
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-	5989-27-5	5 - <10%
Poly(oxy-1,2-ethanediyl), #- undecyl-#-hydroxy-	34398-01-1	1 - <5%
Carbon dioxide	124-38-9	1 - <5%

^{*} All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

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4. First-aid measures

Ingestion: Rinse mouth. Call a physician or poison control center immediately. Never

give liquid to an unconscious person. If vomiting occurs, keep head low so

that stomach content doesn't get into the lungs.

Inhalation: Move to fresh air.

Skin Contact: Get medical attention if symptoms occur. Destroy or thoroughly clean

contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic

skin reaction develops, get medical attention.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do,

remove contact lenses. Get medical attention.

Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.

5. Fire-fighting measures

General Fire Hazards: Use water spray to keep fire-exposed containers cool. Fight fire from a

protected location. Move containers from fire area if you can do so without

risk.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing

media:

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing

media:

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from

the chemical:

Vapors may travel considerable distance to a source of ignition and flash

back.

Special protective equipment and precautions for firefighters

Special fire fighting

procedures:

No data available.

Special protective equipment

for fire-fighters:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in

enclosed spaces, SCBA.

6. Accidental release measures

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Personal precautions, protective equipment and emergency procedures: Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

Methods and material for containment and cleaning up:

Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Dike far ahead of larger spill for later recovery and disposal.

Notification Procedures:

Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk.

Environmental Precautions:

Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.

7. Handling and storage

Precautions for safe handling:

Wash hands thoroughly after handling. Avoid contact with eyes. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid contact with eyes, skin, and clothing.

Conditions for safe storage, including any incompatibilities:

Store locked up. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Aerosol Level 3

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Туре	Exposure Limit Values	Source
Distillates (petroleum), hydrotreated light - Non- aerosol as total hydrocarbon vapor	TWA	200 mg/m3	US. ACGIH Threshold Limit Values (2008)
Distillates (petroleum), hydrotreated light	REL	100 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
Distillates (petroleum), hydrotreated light - Non- aerosol as total hydrocarbon vapor	TWA	200 mg/m3	US. ACGIH Threshold Limit Values (2008)
Distillates (petroleum), hydrotreated light	ST ESL	3,500 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL	350 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
Ethanol, 2-(2-butoxyethoxy)-	ST ESL	670 μg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL	100 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL	10 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)

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	AN ESL		67 μg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)	
Ethanol, 2-(2-butoxyethoxy) Inhalable fraction and vapor.	TWA	10 ppm		US. ACGIH Threshold Limit Values (03 2013)	
2-Propanone	STEL		2,400 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)	
	STEL	750 ppm	1,780 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)	
	PEL	1,000 ppm	2,400 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)	
	TWA	250 ppm		US. ACGIH Threshold Limit Values (03 2015)	
	TWA	750 ppm	1,800 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)	
	Ceiling	3,000 ppm		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)	
	STEL	500 ppm		US. ACGIH Threshold Limit Values (03 2015)	
	TWA PEL	500 ppm	1,200 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)	
	REL	250 ppm	590 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)	
Carbon dioxide	TWA	5,000 ppm		US. ACGIH Threshold Limit Values (2008)	
	STEL	30,000 ppm		US. ACGIH Threshold Limit Values (2008)	
	STEL	30,000 ppm	54,000 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)	
	REL	5,000 ppm	9,000 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)	
	PEL	5,000 ppm	9,000 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)	
	TWA	10,000 ppm	18,000 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)	
	STEL	30,000 ppm	54,000 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)	
	TWA	10,000 ppm	18,000 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)	
	STEL	30,000 ppm	54,000 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)	
	STEL	30,000 ppm	54,000 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)	
	TWA PEL	5,000 ppm	9,000 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)	

Biological Limit Values

Chemical Identity	Exposure Limit Values	Source
2-Propanone (acetone: Sampling time: End of shift.)	25 mg/l (Urine)	ACGIH BEL (03 2015)

Appropriate Engineering Controls

No data available.

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Individual protection measures, such as personal protective equipment

General information: Provide easy access to water supply and eye wash facilities. Good general

ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable

level. If exposure limits have not been established, maintain airborne levels

to an acceptable level.

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin Protection

Hand Protection: No data available.

Other: Wear suitable protective clothing. Wear chemical-resistant gloves, footwear,

and protective clothing appropriate for the risk of exposure. Contact health

and safety professional or manufacturer for specific information.

Respiratory Protection: In case of inadequate ventilation use suitable respirator. Seek advice from

local supervisor.

Hygiene measures: Observe good industrial hygiene practices. Avoid contact with eyes. When

using do not smoke. Contaminated work clothing should not be allowed out

of the workplace. Avoid contact with skin.

9. Physical and chemical properties

Appearance

Physical state: liquid

Form: Spray Aerosol
Color: No data available.
Odor: No data available.
Odor threshold: No data available.
PH: No data available.
Melting point/freezing point: No data available.

Initial boiling point and boiling range: 138.4 °C
Flash Point: -104.4 °C

Evaporation rate:No data available. **Flammability (solid, gas):**No data available.

Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%):

Flammability limit - lower (%):

Explosive limit - upper (%):

Explosive limit - lower (%):

No data available.

Vapor pressure:

No data available.

Vapor density:No data available.Density:No data available.Relative density:No data available.

Solubility(ies)

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Solubility in water:

Solubility (other):

No data available.

No data available.

No data available.

No data available.

Auto-ignition temperature:No data available.Decomposition temperature:No data available.Viscosity:No data available.

10. Stability and reactivity

Reactivity: No data available.

Chemical Stability: Material is stable under normal conditions.

Possibility of hazardous

reactions:

No data available.

Conditions to avoid: Avoid heat or contamination.

Incompatible Materials: No data available.

Hazardous Decomposition

Products:

No data available.

11. Toxicological information

Information on likely routes of exposure

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix: 51,413.88 mg/kg

Dermal

Product: ATEmix: 9,305.7 mg/kg

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Inhalation

Product: Not classified for acute toxicity based on available data.

Specified substance(s):

Distillates (petroleum), LC 50: > 5 mg/lhydrotreated light LC 50: > 20 mg/l

Ethanol, 2-(2butoxyethoxy)- LC 50 (Various): > 20 mg/l

2-Propanone

LC 50 (Rat): 50.1 mg/l

Hexanedioic acid, 1,6-

dimethyl ester

LC 50 (Rat): > 11 mg/l

Cyclohexene, 1-methyl-4-LC 50: > 20 mg/l (1-methylethenyl)-, (4R)-LC 50: > 5 mg/l

Poly(oxy-1,2-ethanediyl), #-undecyl-#-hydroxyLC 50: > 5 mg/lLC 50: > 20 mg/l

Repeated dose toxicity

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light

NOAEL (Rat(Female, Male), Inhalation): >= 24 mg/m3 Inhalation

Experimental result, Key study

NOAEL (Rat(Female), Oral, 70 - 147 d): 750 mg/kg Oral Experimental result,

Key study

Ethanol, 2-(2butoxyethoxy)- NOAEL (Rat(Female, Male), Oral, 90 d): 250 mg/kg Oral Experimental

result, Key study

NOAEL (Rat(Female, Male), Dermal, 13 Weeks): > 2,000 mg/kg Dermal

Experimental result, Key study

NOAEL (Rat(Female, Male), Inhalation, 90 - 120 d): 14 ppm(m) Inhalation

Experimental result. Key study

2-Propanone NOAEL (Rat(Male), Oral, 13 Weeks): 10,000 ppm(m) Oral Experimental

result, Key study

Hexanedioic acid. 1.6-

dimethyl ester

NOAEL (Rat(Female, Male), Inhalation): 50 mg/m3 Inhalation Experimental

result, Key study

NOAEL (Rat(Male), Inhalation): 10 mg/m3 Inhalation Experimental result,

Key study

study

NOAEL (Rat(Female, Male), Dermal, 2 Weeks): 1,000 mg/kg Dermal Readacross based on grouping of substances (category approach), Supporting

Cyclohexene, 1-methyl-4-

NOAEL (Rat(Male), Oral, 13 Weeks): 600 mg/kg Oral Experimental result,

(1-methylethenyl)-, (4R)-Key study

Skin Corrosion/Irritation

Product: No data available.

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Specified substance(s):

Distillates (petroleum),

in vivo (Rabbit): Not irritant Experimental result, Key study

hydrotreated light

Ethanol, 2-(2butoxyethoxy)- in vivo (Rabbit): Not irritant Experimental result, Supporting study

2-Propanone in vivo (Rabbit): Not irritant Experimental result, Supporting study

Hexanedioic acid. 1.6-

dimethyl ester

in vivo (Rabbit): Category 2 Read-across based on grouping of substances

(category approach). Supporting study

in vivo (Rabbit): Category 2 Read-across based on grouping of substances

(category approach), Supporting study

in vivo (Rabbit): Not Classified Experimental result, Supporting study in vivo (Rabbit): Not irritant Experimental result, Supporting study

in vivo (Rabbit): Not irritant Read-across based on grouping of substances

(category approach), Key study

in vivo (Rabbit): Not irritant Read-across based on grouping of substances

(category approach), Key study

in vivo (Rabbit): Category 2 Read-across based on grouping of substances

(category approach), Supporting study

in vivo (Rabbit): Not irritant Read-across based on grouping of substances

(category approach), Key study

Cyclohexene, 1-methyl-4-(1-methylethenyl)-,

(4R)-

in vivo (Rabbit): Not irritant Experimental result, Key study

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light

Rabbit, 24 - 72 hrs: Not irritating

Ethanol, 2-(2butoxyethoxy)- Rabbit, 24 - 72 hrs: Highly irritating

2-Propanone

Irritating.

Rabbit, 24 hrs: Minimum grade of severe eye irritant

Hexanedioic acid, 1,6-

dimethyl ester

Rabbit, 1 hrs: Not irritating Rabbit, 1 hrs: Not irritating Rabbit, 1 hrs: Not irritating

Rabbit, 1 hrs: Not irritating

Cyclohexene, 1-methyl-

4-(1-methylethenyl)-,

(4R)-

Rabbit, 24 - 72 hrs: Not irritating

Respiratory or Skin Sensitization

Product: No data available.

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Specified substance(s):

Distillates (petroleum), Skin sensitization:, in vivo (Guinea pig): Non sensitising

hydrotreated light

Ethanol, 2-(2- Skin sensitization:, in vivo (Guinea pig): Non sensitising

butoxyethoxy)-

2-Propanone Skin sensitization:, in vivo (Guinea pig): Non sensitising Skin sensitization:, in vivo (Guinea pig): Non sensitising

dimethyl ester

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure
Product:
No data available.

Specified substance(s):

2-Propanone Inhalation - vapor: Narcotic effect. - Category 3 with narcotic effects.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s):

Distillates (petroleum), May be fatal if swallowed and enters airways.

hydrotreated light

Other effects: No data available.

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12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light

LC 50 (Rainbow trout, donaldson trout (Oncorhynchus mykiss), 96 h): 2.9

mg/l Mortality

NOAEL (Oncorhynchus mykiss, 96 h): 2 mg/l Experimental result, Key study

Ethanol. 2-(2butoxyethoxy)- LC 50 (Lepomis macrochirus, 96 h): 1,300 mg/l Experimental result, Key

study

LC 50 (Pimephales promelas, 96 h): 2,400 mg/l Experimental result,

Supporting study

LC 50 (Oncorhynchus mykiss, 96 h): 5,540 mg/l Experimental result, Key 2-Propanone

study

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-

EC 50 (Pimephales promelas, 96 h): 688 µg/l Experimental result, Key study

Poly(oxy-1,2-ethanediyl), #-undecyl-#-hydroxyLC 50 (Fathead minnow (Pimephales promelas), 96 h): 3.2 - 5 mg/l Mortality

Aquatic Invertebrates

Product:

No data available.

Specified substance(s):

Distillates (petroleum),

hydrotreated light

EC 50 (Daphnia magna, 24 h): 4.6 mg/l Experimental result, Key study NOAEL (Daphnia magna, 48 h): 0.3 mg/l Experimental result. Key study EC 50 (Daphnia magna, 48 h): 1.4 mg/l Experimental result, Key study

Ethanol. 2-(2butoxyethoxy)- LC 50 (Daphnia magna, 48 h): +/- 1,743 mg/l QSAR QSAR, Supporting

study

2-Propanone

LC 50 (Daphnia pulex, 48 h): 8,800 mg/l Experimental result, Key study

Hexanedioic acid, 1,6-

dimethyl ester

EC 50 (Daphnia magna, 48 h): 72 mg/l Experimental result, Key study NOAEL (Daphnia magna, 24 h): 120 mg/l Read-across based on grouping of

substances (category approach), Supporting study

LC 50 (Daphnia magna, 24 h): 180 mg/l Read-across based on grouping of

substances (category approach), Supporting study

LOAEL (Daphnia magna, 24 h): 140 mg/l Read-across based on grouping of

substances (category approach), Supporting study

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-

EC 50 (Daphnia magna, 48 h): 0.36 mg/l Experimental result, Key study NOAEL (Daphnia magna, 48 h): 0.074 mg/l Experimental result, Key study

Poly(oxy-1,2-ethanediyl), #-undecyl-#-hydroxyEC 50 (Water flea (Daphnia magna), 48 h): 1.6 - 2.5 mg/l Intoxication

Chronic hazards to the aquatic environment:

Fish

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Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light

NOAEL (Oncorhynchus mykiss): 0.098 mg/l QSAR QSAR, Key study

Aquatic Invertebrates

Product:

No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light

NOAEL (Daphnia magna): 1.2 mg/l Experimental result, Key study EC 50 (Daphnia magna): 0.81 mg/l Experimental result, Key study

2-Propanone LOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study

NOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- NOAEL (Freshwater invertebrates, species frequently include Daphnia magna or Daphnia pulex): 0.115 mg/l QSAR QSAR, Weight of Evidence study

Toxicity to Aquatic Plants

Product:

No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light

61 % Detected in water. Experimental result, Supporting study

Ethanol, 2-(2-butoxyethoxy)-

85 % (28 d) Detected in water. Experimental result, Key study

2-Propanone 90.9 % (28 d) Detected in water. Experimental result, Key study

Hexanedioic acid, 1,6dimethyl ester 100 % Detected in water. Read-across based on grouping of substances

(category approach), Key study

 $97\ \%$ Detected in water. Read-across based on grouping of substances

(category approach), Key study

87 % (28 d) Sediment Read-across based on grouping of substances

(category approach), Key study

36 % (21 d) Detected in water. Read-across based on grouping of

substances (category approach), Supporting study

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- $80\ \%$ (28 d) Detected in water. Read-across from supporting substance

(structural analogue or surrogate), Key study

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

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Specified substance(s):

2-Propanone Haddock, adult, Bioconcentration Factor (BCF): 0.69 Aquatic sediment

Experimental result, Not specified

Cyclohexene, 1-methyl-4-

Bioconcentration Factor (BCF): 864.8 Aquatic sediment QSAR, Key study

(1-methylethenyl)-, (4R)-

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Specified substance(s):

Cyclohexene, 1-methyl-4- Log Kow: 4.34 - 4.46 25 °C No Experimental result, Supporting study

(1-methylethenyl)-, (4R)-

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

Distillates (petroleum), No data available.

hydrotreated light

Ethanol, 2-(2- No data available.

butoxyethoxy)-

2-Propanone No data available. Hexanedioic acid, 1,6-No data available.

dimethyl ester

Cyclohexene, 1-methyl-4- No data available.

(1-methylethenyl)-, (4R)-

Poly(oxy-1,2-ethanediyl), #- No data available.

undecyl-#-hydroxy-

Carbon dioxide No data available.

Other adverse effects: Toxic to aquatic life with long lasting effects.

13. Disposal considerations

Disposal instructions: Discharge, treatment, or disposal may be subject to national, state, or local

laws.

Contaminated Packaging: No data available.

14. Transport information

DOT

UN Number: UN 1950

UN Proper Shipping Name: Aerosols, flammable

Transport Hazard Class(es)

Class: 2.1
Label(s): –
Packing Group: II
Marine Pollutant: No

Environmental Hazards: No Marine Pollutant No

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Special precautions for user: Not regulated.

IMDG

UN Number: UN 1950

UN Proper Shipping Name: Aerosols, flammable

Transport Hazard Class(es)

Class: 2 Label(s): –

EmS No.: F-D, S-U

Packing Group: -

Environmental Hazards: Yes Marine Pollutant No

Special precautions for user: Not regulated.

IATA

UN Number: UN 1950

Proper Shipping Name: Aerosols, flammable

Transport Hazard Class(es):

Class: 2.1
Label(s): –

Packing Group: –

Environmental Hazards: Yes Marine Pollutant No

Special precautions for user: Not regulated. Cargo aircraft only: Allowed.

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

<u>Chemical Identity</u> <u>Reportable quantity</u>

2-Propanone lbs. 5000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Fire Hazard

Immediate (Acute) Health Hazards

Flammable aerosol

Serious Eye Damage/Eye Irritation

Skin sensitizer Aspiration Hazard

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SARA 302 Extremely Hazardous Substance

Reportable

Chemical Identity quantity Threshold Planning Quantity

Distillates (petroleum), hydrotreated light 2-Propanone

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Distillates (petroleum), hydrotreated light

Ethanol. 2-(2-

butoxyethoxy)-

2-Propanone lbs. 5000

SARA 311/312 Hazardous Chemical

<u>Chemical Identity</u> <u>Threshold Planning Quantity</u>

Distillates (petroleum), 10000 lbs

hydrotreated light

Ethanol, 2-(2- 10000 lbs

butoxyethoxy)-

2-Propanone 10000 lbs Hexanedioic acid, 1,6- 10000 lbs

dimethyl ester

Cyclohexene, 1-methyl-4- 10000 lbs

(1-methylethenyl)-, (4R)-

Poly(oxy-1,2-ethanediyl), 10000 lbs

#-undecyl-#-hydroxy-

Carbon dioxide 10000 lbs

SARA 313 (TRI Reporting)

Reporting Reporting threshold for manufacturing and

Chemical Identityother usersprocessingEthanol, 2-(2-N230 lbsN230 lbs.

butoxyethoxy)-

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) US State Regulations

US. California Proposition 65

No ingredient requiring a warning under CA Prop 65.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Distillates (petroleum), hydrotreated light

Ethanol, 2-(2-butoxyethoxy)-

2-Propanone

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-

Carbon dioxide

US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

Revision Date: 07/08/2019

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Distillates (petroleum), hydrotreated light Ethanol, 2-(2-butoxyethoxy)-2-Propanone Carbon dioxide

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

International regulations

Montreal protocol

Distillates (petroleum), hydrotreated light 2-Propanone

Stockholm convention

Distillates (petroleum),
hydrotreated light
2-Propanone
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Rotterdam convention

Distillates (petroleum),
hydrotreated light
2-Propanone

Kyoto protocol

16.Other information, including date of preparation or last revision

Issue Date: 07/08/2019

Revision Information: No data available.

Version #: 1.0

Further Information: No data available.

Disclaimer: This information is provided without warranty. The information is believed to

be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.