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SAFETY DATA SHEET

1. Identification

Product identifier: TERAND DEGREASER AND DEORDER NATURAL CITRUS

Other means of identification

SDS number: RE1000009100

Recommended restrictions

Product use: Cleaner

Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information

Manufacturer

Company Name: CPC

Address: 1000 INTEGRAM DRIVE

PACIFIC, MO 63069

Telephone: 1-800-327-1835

Fax:

Emergency telephone number: 1-866-836-8855

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Flammable aerosol Category 1

Health Hazards

Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 1
Skin sensitizer Category 1

Environmental Hazards

Acute hazards to the aquatic Category 1

environment

Chronic hazards to the aquatic Category 1

environment

Label Elements

Hazard Symbol:



Signal Word: Danger



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Hazard Statement: Extremely flammable aerosol.

Causes skin irritation.

Causes serious eye damage. May cause an allergic skin reaction.

Very 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 ON SKIN: Wash with plenty of water/# If skin irritation or rash occurs: Get medical advice/attention. Immediately call a POISON CENTER/doctor. 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.

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 (%)*
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-	5989-27-5	50 - <100%
Poly(oxy-1,2-ethanediyl), #-(4-nonylphenyl)-#-hydroxy-, branched	127087-87-0	10 - <20%
Alcohols, C9-11, ethoxylated	68439-46-3	5 - <10%
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.

4. First-aid measures

Ingestion: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

Inhalation: Move to fresh air.



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Skin Contact: Get medical attention. 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.

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

remove contact lenses. Call a physician or poison control center

immediately.

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

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.

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Notification Procedures: 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. Do not get in 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 skin. Avoid contact with

eyes, skin, and clothing.

Conditions for safe storage,

including any incompatibilities:

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 Lin	nit Values	Source
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)
Ethylene Oxide	Ceil_Time	5 ppm	9 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	1 ppm		US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (02 2006)
	STEL	5 ppm		US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (02 2006)
	OSHA_AC T	0.5 ppm		US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (02 2006)
	STEL	5 ppm		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)



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	AN ESL		2.110/002	LIC Toyon Effects Corponing Loyels /Toyon
	AN ESL		2 μg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	REL	0.1 ppm	0.18 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	1 ppm		US. ACGIH Threshold Limit Values (2008)
	TWA A LV	0.5 ppm		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	TWA PEL	1 ppm	2 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	ST ESL		10 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	TWA	1 ppm		US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	5 ppm		US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	ST ESL		20 μg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		1 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
1,4-Dioxane	TWA	25 ppm	90 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	AN ESL		20 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		200 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		720 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		72 μg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	TWA	25 ppm	90 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	Ceil_Time	1 ppm	3.6 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	20 ppm		US. ACGIH Threshold Limit Values (2008)
	PEL	100 ppm	360 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA PEL	0.28 ppm	1.0 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
Acetic acid	STEL	15 ppm	37 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	10 ppm	25 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	Ceiling	40 ppm		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	STEL	15 ppm	37 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	AN ESL		10 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	TWA	10 ppm	25 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA PEL	10 ppm	25 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	ST ESL		250 μg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)



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ST ESL	100 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
REL	10 ppm 25 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
TWA	10 ppm	US. ACGIH Threshold Limit Values (2008)
STEL	15 ppm	US. ACGIH Threshold Limit Values (2008)
AN ESL	25 μg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
TWA	10 ppm 25 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)

Biological Limit Values

Chemical Identity	Exposure Limit Values	Source
Ethylene Oxide (S-(2- hydroxyethyl) mercapturic acid (HEMA): Sampling time: End of shift.)	5 μg/g (Creatinine in urine)	ACGIH BEL (03 2018)
Ethylene Oxide (N-(2- hydroxyethyl)-valine (HEV) hemoglobin adducts: Sampling time: Not critical.)	5000 pmol/g (Hemoglobin adducts)	ACGIH BEL (03 2018)

Appropriate Engineering Controls

No data available.

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 a full-face respirator, if needed. Wear safety glasses with side shields

(or goggles) and a face shield.

Skin Protection

Hand Protection: No data available.

Other: 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: Do not get in eyes. Observe good industrial hygiene practices. When using

do not smoke. Wash contaminated clothing before reuse. Avoid contact with skin. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the

workplace.



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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. No data available. Melting point/freezing point: Initial boiling point and boiling range: No data available. > 104.44 °C Flash Point:

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.

No data available.

No data available.

No data available.

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

Solubility(ies)

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.



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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.

No data available. Ingestion:

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix: 12,389.7 mg/kg

Dermal

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

Specified substance(s):

Cyclohexene, 1-methyl-4-

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

LD 50 (Rabbit): > 5,000 mg/kg

Poly(oxy-1,2-ethanediyl),

#-(4-nonylphenyl)-#-

hydroxy-, branched

LD 50: > 2,000 mg/kg

Alcohols, C9-11, ethoxylated

LD 50 (Rabbit): 2,216 mg/kg

Inhalation

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

Specified substance(s):

Cyclohexene, 1-methyl-4-LC 50: > 20 mg/l

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

Poly(oxy-1,2-ethanediyl), #-(4-nonylphenyl)-#-

LC 50: > 20 mg/l LC 50: > 5 mg/l

hydroxy-, branched

Alcohols, C9-11, LC 50: > 20 mg/l ethoxylated LC 50: > 5 mg/l



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Carbon dioxide LC 50: > 20 mg/l

LC 50: > 5 mg/l

Repeated dose toxicity

Product: No data available.

Specified substance(s):

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- NOAEL (Rat(Male), Oral, 13 Weeks): 600 mg/kg Oral Experimental result,

Key study

Alcohols, C9-11, ethoxylated

NOAEL (Rat(Female, Male), Oral, 90 d): >= 500 mg/kg Oral Read-across

based on grouping of substances (category approach), Key study

Skin Corrosion/Irritation

Product: No data available.

Specified substance(s):

Cyclohexene, 1-methyl- in vivo (Rabbit): Not irritant Experimental result, Key study

4-(1-methylethenyl)-,

(4R)-

Alcohols, C9-11, in vivo (Rabbit): Not irritant Read-across based on grouping of substances

ethoxylated (category approach), Weight of Evidence study

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

Cyclohexene, 1-methyl- Rabbit, 24 - 72 hrs: Not irritating

4-(1-methylethenyl)-,

(4R)-

Respiratory or Skin Sensitization

Product: No data available.

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.



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Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- EC 50 (Pimephales promelas, 96 h): 688 μ g/I Experimental result, Key study

Poly(oxy-1,2-ethanediyl),

#-(4-nonylphenyl)-#hydroxy-, branched LC 50 (96 h): 84.7 mg/l European Chemicals Agency, http://echa.europa.eu/

- REACH registration dossiers submitted by companies to ECHA

Alcohols, C9-11, LC 50 (96 h): 0.9 mg/l

ethoxylated LC 50 (Oncorhynchus mykiss, 96 h): 5 - 7 mg/l Experimental result, Key

study

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

Cyclohexene, 1-methyl-4- EC 50 (Daphnia magna, 48 h): 0.36 mg/l Experimental result, Key study

(1-methylethenyl)-, (4R)- NOAEL (Daphnia magna, 48 h): 0.074 mg/l Experimental result, Key study

enyi)-, (4K)- NOAEL (Daprilla magna, 46 n). 0.074 mg/i Experimental result, Key study

Poly(oxy-1,2-ethanediyl), EC 50 (48 h): 23.06 mg/l European Chemicals Agency,

#-(4-nonylphenyl)-#- http://echa.europa.eu/ - REACH registration dossiers submitted by

hydroxy-, branched companies to ECHA

Alcohols, C9-11, EC 50 (Daphnia magna, 48 h): 2.5 mg/l Experimental result, Key study

ethoxylated

Chronic hazards to the aquatic environment:

Fish

Product: NOEC : Estimated < 0.1 mg/l



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Aquatic Invertebrates

Product: No data available.

Specified substance(s):

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

study

Alcohols, C9-11, ethoxylated

NOAEL (Daphnia magna): 1.75 mg/l Read-across based on grouping of

substances (category approach), Weight of Evidence study

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s):

Poly(oxy-1,2-ethanediyl), #-(4-nonylphenyl)-#hydroxy-, branched EC 50 (72 h): 19.5 mg/l European Chemicals Agency, http://echa.europa.eu/

- REACH registration dossiers submitted by companies to ECHA

NOEC (96 h): 8 mg/l European Chemicals Agency, http://echa.europa.eu/ -

REACH registration dossiers submitted by companies to ECHA

Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s):

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

(structural analogue or surrogate), Key study

Poly(oxy-1,2-ethanediyl), #-(4-nonylphenyl)-#-

#-(4-nonylphenyl)-#hydroxy-, branched Not readily degradable.

Alcohols, C9-11, ethoxylated

100 % (28 d) Detected in water. Read-across based on grouping of substances (category approach), Weight of Evidence study

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Specified substance(s):

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- Bioconcentration Factor (BCF): 864.8 Aquatic sediment QSAR, Key study

Alcohols, C9-11, ethoxylated

Pimephales promelas, Bioconcentration Factor (BCF): 237 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate),

Key study

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)-



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Poly(oxy-1,2-ethanediyl),

#-(4-nonylphenyl)-#hydroxy-, branched Log Kow: 5.669 25 °C

Alcohols, C9-11, ethoxylated

Log Kow: 3.3 - 3.73 Yes QSAR, Weight of Evidence study

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

Cyclohexene, 1-methyl-4-

No data available.

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

Poly(oxy-1,2-ethanediyl), #-

No data available.

(4-nonylphenyl)-#-hydroxy-,

branched

Alcohols, C9-11,

No data available.

ethoxylated Carbon dioxide

No data available.

Other adverse effects: Very 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. Do not allow to enter drains, sewers or watercourses.

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

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.

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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

Restrictions on use: Not known.

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

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

Chemical Identity OSHA hazard(s)

Ethylene Oxide Eye irritation

respiratory tract irritation

Skin irritation Skin sensitization Acute toxicity

Cancer

Central nervous system Reproductive toxicity

Mutagenicity Flammability

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Ethylene Oxide lbs. 10 1,4-Dioxane lbs. 100 Acetic acid lbs. 5000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Fire Hazard

Immediate (Acute) Health Hazards

Flammable aerosol Skin Corrosion/Irritation

Serious Eye Damage/Eye Irritation

Skin sensitizer

SARA 302 Extremely Hazardous Substance

Reportable

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

Ethylene Oxide lbs. 10 lbs. 1000



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SARA 304 Emergency Release Notification

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

Ethylene Oxide Ibs. 10 1,4-Dioxane Ibs. 100 Acetic acid Ibs. 5000

SARA 311/312 Hazardous Chemical

Chemical Identity Threshold Planning Quantity

Ethylene Oxide lbs

Cyclohexene, 1-methyl-4- 10000 lbs

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

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

#-(4-nonylphenyl)-#-

hydroxy-, branched

Alcohols, C9-11, 10000 lbs

ethoxylated

Carbon dioxide 10000 lbs 1,4-Dioxane 10000 lbs Acetic acid 10000 lbs

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

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

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

Ethylene Oxide Female reproductive toxin. 03 2008

Ethylene Oxide Carcinogenic. 05 2011

Ethylene Oxide Male reproductive toxin. 08 2009
Ethylene Oxide Developmental toxin. 08 2009

4.4 Pinyana Of 2011

1,4-Dioxane Carcinogenic. 05 2011 2-Naphthalenol, 1-(2- Carcinogenic. 05 2011

phenyldiazenyl)-

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

Chemical Identity

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

US. Massachusetts RTK - Substance List

Chemical Identity

Ethylene Oxide 1,4-Dioxane

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Carbon dioxide

US. Rhode Island RTK

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



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International regulations Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Inventory S	tatus:
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Australia AICS: On or in compliance with the inventory

Canada DSL Inventory List:

On or in compliance with the inventory

EINECS, ELINCS or NLP: Not in compliance with the inventory.

Japan (ENCS) List: Not in compliance with the inventory.

China Inv. Existing Chemical Substances:

On or in compliance with the inventory

Korea Existing Chemicals Inv. (KECI): On or in compliance with the inventory

Canada NDSL Inventory: Not in compliance with the inventory.

Philippines PICCS: On or in compliance with the inventory

US TSCA Inventory:

On or in compliance with the inventory

New Zealand Inventory of Chemicals:

On or in compliance with the inventory

Japan ISHL Listing: Not in compliance with the inventory.

Japan Pharmacopoeia Listing: Not in compliance with the inventory.

Mexico INSQ: Not in compliance with the inventory.

Ontario Inventory: Not in compliance with the inventory.

Taiwan Chemical Substance Inventory:

On or in compliance with the inventory



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

Issue Date: 08/07/2019

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.