

Safety Data Sheet

acc. To OSHA HCS

Revision Date: 12/1/2015

1 Identification

Product Identifier *Citrus Clean*

Article number:

Relevant Identified uses of the substance or mixture and uses advised against *No further relevant information available*

Application of the substance / the mixture

Details of the supplier of the safety data sheet

Manufacturer/Supplier *Lambert Corporation
20 Coburn Ave. Orlando, FL 32805
(407) 841-2940*

Emergency Telephone Number: *(800) 424-9300 - Chemtrec*

Information Department: *Environmental, Health, and Safety department*

2 Hazard(s) Identification

Classification of the substance or mixture

Flam. Liq. 3 H226 Flammable liquid and vapor

Skin Corr. 1B H314 Causes eye irritation

Eye Dam. 1 H318 Causes serious eye irritation

Skin Sens. 1 H317 May cause genetic defects

Label Elements

GHS label elements

Hazard Pictograms



GHS02

Signal Word *Danger*

Hazard-determining components of labeling:

Triethanolamine

Polyethylene Glycol

Hazard Statements

Flammable liquid and vapor.

Causes skin irritation.

Causes serious eye irritation

Precautionary statements

If medical advice is needed, have product container or label at hand

Keep out of reach of children

Read label before use

Use personal protective equipment as required.

Obtain special instructions before use

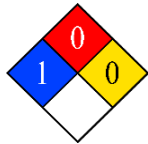
Do not handle until all safety precautions have been read and understood

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations

Classification system:

NFPA ratings (scale 0 - 4)



Health = 1

Fire = 0

Reactivity = 0

HMIS ratings (scale 0 - 4)

HEALTH	1
FIRE	0
PHYSICAL HAZARD	0

Health = 1

Fire = 0

Reactivity = 0

Other Hazards

Results of PBT and vPvB assessment

PBT: *Not applicable*

vPvB: *Not applicable*

3 Composition/Information on Ingredients

Chemical Characterization: Mixtures

Description: *Mixture of the substances listed below with nonhazardous additions*

Dangerous Components:

102-71-6 *Triethanolamine*

25322-68-3 *Polyethylene Glycol*

Additional information : *For the wording of the listed risk phrases refer to section 16.*

4 First-Aid Measures

Description of first aid measures

After Inhalation:	Supply fresh air; consult doctor in case of complaints
After Skin Contact:	Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor
After Eye Contact:	Rinse opened eye for several minutes under running water. Then consult a doctor.
After Swallowing:	Seek medical treatment
Most important symptoms and effects, both acute and delayed:	No further information available
Indication of any immediate medical attention and special treatment needed:	No further information available

5 Fire-Fighting Measures

Extinguishing media:

Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water.

Special hazards arising from the substance or mixture: No further relevant information available

Advice for firefighters:

Protective equipment: Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

Reference to other sections:

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and Storage

Precautions for safe handling: Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Do not take internally.

Information for protection against explosions and fires:

Keep ignition sources away - Do not smoke

Protect against electrostatic charges

Conditions for safe storage, including any incompatibilities:

Storage:

Requirements to be met by storerooms and receptacles: *No special requirements*

Information about storage in one common storage facility: *Not required.*

Further information about storage conditions: *Keep receptacle tightly sealed.*

Specific end use(s): *N/A*

8 Exposure Controls/Personal Protection

Additional information about design of technical systems: *N/A*

Control parameters:

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: *The lists that were valid during the creation were used as basis*

Exposure controls:

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work

Store protective clothing separately

Avoid contact with the eyes and skin.

Breathing equipment *In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.*

Protection of hands:



Protective Gloves

Material of gloves: *Nitrile Rubber*

Penetration time of glove material: *The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed*

Eye protection: *Wear appropriate eye protection to prevent eye contact.*

9 Physical and Chemical Properties

Information of basic physical and chemical properties**General information****Appearance:****Form:** *Liquid***Color:** *White***Odor:** *Lemon***Odor threshold:** *Not determined***pH- value:** *Not determined***Change in condition:****Melting point/Melting range:** *Not determined***Boiling point/Boiling range:** *349 °F (176 °C)***Flash point:** *129 °F (54 °C)***Flammability (solid, gaseous):** *Not applicable***Ignition temperature::** *491 °F (255 °C)***Decomposition temperature:** *Not determined***Auto igniting:** *Not self-igniting***Danger of explosion:** *Product is not explosive. However, formation of explosive air/vapor mixtures are possible.***Explosion limits:****Lower:** *0.7 Vol %***Upper:** *6.1 Vol %***Vapor pressure at 20 °C (68 °F):** *2.3 hPa (2 mm Hg)***Density at 20 °C (68 °F)** *0.86189 g/cm³ (7.192 lbs/gal)***Relative density:** *Not determined***Vapor density:** *Not determined***Evaporation rate:** *Not determined***Solubility in / Miscibility with Water:** *Not miscible or difficult to mix***Partition coefficient (n-octanol/water)** *Not determined***Viscosity:****Dynamic:** *Not determined***Kinematic:** *Not determined***Solvent content:****Organic solvents:** *0.00%***Solids content:** *N/A***Other information:** *None***Volatile organic compounds:** *Contains less than 700 g/L*

10 Stability and Reactivity

Reactivity: No decomposition if stored and applied as directed

Chemical stability:

Thermal decomposition / Conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: Keep away from heat and sources of ignition

Incompatible materials: No further relevant information available

Hazardous decomposition products: No dangerous decomposition products known

11 Toxicological Information:

Information on toxicological effects:

Primary irritant effect:

on the skin: May cause skin irritation

on the eye: Irritant

Sensitization: No sensitizing effects known

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

Carcinogenic categories

IARC (International Agency for Research on Cancer)

None of the ingredients listed.

NTP (National Toxicology Program)

None of the ingredients listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients listed.

12 Ecological Information

Toxicity:

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Remark: Harmful to fish

Additional ecological information:**General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Harmful to aquatic organisms

Results of PBT and vPvB assessment:

PBT: *Not applicable*

vPvB: *Not applicable*

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

13 Disposal Considerations**Waste treatment methods:**

Must not be disposed of as normal garbage. Do not allow product to reach sewage system. It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. State and local regulations may differ from federal disposal regulations. Dispose of waste material according to local, state, federal, and provincial environmental regulations.

Recommendation:**Uncleaned packagings:**

Recommendation: *Disposal must be made according to Federal, State, and Local regulations*

14 Transport Information**UN-Number:**

DOT, ADR, IMDG, IATA: *N/E*

UN proper shipping name:

DOT, ADR, IMDG, IATA: *N/E*

DOT, ADR, IMDG, IATA: *N/E*

Environmental hazards:

Marine pollutant: *No*

Special precautions for user *Warning: Flammable liquids*

Danger code (Kemler):

EMS Number: *N/E*

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code *Not applicable*

Transport/Additional information:**ADR:**

Excepted quantities (EQ) *N/E*

U.S. Domestic Ground Shipments: *Same as listed for Standard Shipments above*

U.S. Domestic ground Non-Bulk (119 gal or less per container) Shipments: *DOT: Not regulated*

Emergency Response Guide (ERG) Number: *Not determined*

IMDG

Limited quantities (LQ) *N/E*

Excepted quantities (EQ) *N/E*

UN "Model Regulation": *N/E*

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Sara:

Section 355 (extremely hazardous substances): *None of the ingredient is listed*

Section 313 (Specific toxic chemical listings): *This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below*

None of the ingredients listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed

Proposition 65:

Chemicals known to the State of California (Prop. 65) to cause cancer:

None of the ingredients listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients listed.

Chemicals known to cause developmental toxicity:

None of the ingredients listed.

Cancerogenity categories:

EPA (Environmental Protection Agency):

None of the ingredients listed.

TLV (Threshold Limit Value established by ACGIH):

None of the ingredients listed.

MAK (German Maximum Workplace Concentration):

None of the ingredients listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients listed.

GHS label elements: *The product is classified and labeled according to the Globally Harmonized System (GHS).*

Hazard pictograms:

GHS02

Signal word: *Danger*

Hazard-determining components of labeling:

Triethanolamine

Polyethylene Glycol

Hazard statements:

Flammable liquid and vapor. □

Causes skin irritation.

Causes serious eye irritation

Precautionary statements:

Keep out of reach of children

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Use personal protective equipment as required.

Obtain special instructions before use

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

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations

National regulations:**Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases

Water hazard class: *Water hazard class 1 (Self-assessment): slightly hazardous for water*

Chemical safety assessment: *A Chemical Safety Assessment has not been carried out.*

16 Other Information

Department issuing MSDS: *Environmental, Health & Safety Department*

Contact: *Environmental, Health & Safety Manager*

Date of preparation / Last revision: *12/1/2015*

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Muta. 1B: Germ cell mutagenicity, Hazard Category 1B

Carc. 1B: Carcinogenicity, Hazard Category 1B

STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1