

**Safety Data Sheet dated 9/16/2019, version 1**

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**1. IDENTIFICATION**

Product identifier

Mixture identification:

Trade name: Claril HM

Other means of identification:

Product codes: 35-661-0001, 35-661-0010

Recommended use of the chemical and restrictions on use

Recommended use:

FOR PROFESSIONAL USE

Restrictions on use:

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company:

Enartis USA Inc.

7795 Bell Road

Windsor

CA 95492

Competent person responsible for the safety data sheet:

compliance@enartis.com

Emergency phone number

Phone: +1 (707) 838 6312

Fax: +1 (707) 838 1765

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**2. HAZARD(S) IDENTIFICATION**

Classification of the chemical

⚠ Danger, Eye Dam. 1, Causes serious eye damage.

Label elements

Hazard pictograms:



Danger

Hazard statements:

H318 Causes serious eye damage.

Precautionary statements:

P280 Wear eye/face protection: wear eye glasses with side protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a doctor.

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

None.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

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Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

>= 7% - < 10% CITRIC ACID MONOHYDRATE

CAS: 5949-29-1, EC: 201-069-1

⚠ A.3/2A Eye Irrit. 2A H319

>= 3% - < 5% LACTIC ACID

REACH No.: 01-2119474764-39-XXXX, CAS: 79-33-4, EC: 201-196-2

⚠ A.2/2 Skin Irrit. 2 H315

⚠ A.3/1 Eye Dam. 1 H318

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### 4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Induce vomiting. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-data sheet.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

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### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Hazardous combustion products:

None

Explosive properties: N.A.

Oxidizing properties: N.A.

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Wash with plenty of water.

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## 7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not use on extensive surface areas in premises where there are occupants.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

Storage temperature:

Store at ambient temperature.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No occupational exposure limit available

Appropriate engineering controls:

None

Individual protection measures

Eye protection:

Eye glasses with side protection.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection.

Suitable material:

UNI EN 420/UNI EN 374

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour: Solid

Odour: Characteristic

Odour threshold: N.A.

pH: 5.00

Melting point / freezing point: N.A.

Initial boiling point and boiling range: N.A.

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Solid/gas flammability:	N.A.	
Upper/lower flammability or explosive limits:		N.A.
Vapour density:	N.A.	
Flash point:	N.A.	
Evaporation rate:	N.A.	
Vapour pressure:	N.A.	
Relative density:	N.A.	
Solubility in water:	N.A.	
Solubility in oil:	N.A.	
Partition coefficient (n-octanol/water):		N.A.
Auto-ignition temperature:	N.A.	
Decomposition temperature:	N.A.	
Viscosity:	N.A.	
Miscibility:	N.A.	
Fat Solubility:	N.A.	
Conductivity:	N.A.	
Substance Groups relevant properties		N.A.

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### 10. STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	None
Conditions to avoid	Stable under normal conditions.
Incompatible materials	None in particular.
Hazardous decomposition products	None.

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### 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects	
Toxicological information of the product:	
Claril HM	
a) acute toxicity	Not classified Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met
c) serious eye damage/irritation	The product is classified: Eye Dam. 1 H318
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	

- Not classified  
Based on available data, the classification criteria are not met
- i) STOT-repeated exposure  
Not classified  
Based on available data, the classification criteria are not met
- j) aspiration hazard  
Not classified  
Based on available data, the classification criteria are not met
- Toxicological information of the main substances found in the product:  
CITRIC ACID MONOHYDRATE - CAS: 5949-29-1
- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat = 11700 mg/kg - Notes: (Citric Acid Monohydrate)  
Test: LD50 - Route: Intraperitoneal - Species: Rat = 725 mg/kg - Notes: (Citric Acid Monohydrate)  
Test: LD50 - Route: Oral - Species: Mouse = 5400 mg/kg - Notes: (Citric Acid Monohydrate)  
Test: LD50 - Route: Intraperitoneal - Species: Mouse = 940 mg/kg - Notes: (Citric Acid Monohydrate)  
Test: LD50 - Route: Intravenous - Species: Mouse = 42 mg/kg - Notes: (Citric Acid Monohydrate)  
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Notes: (Citric Acid Monohydrate)
- b) skin corrosion/irritation:  
Test: Skin Irritant - Species: Rabbit Negative
- c) serious eye damage/irritation:  
Test: Eye Irritant - Species: Rabbit Positive
- LACTIC ACID - CAS: 79-33-4
- a) acute toxicity:  
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg  
Test: LC50 - Route: Inhalation - Species: Rat = 7.94 mg/l - Duration: 4h  
Test: LD50 - Route: Oral - Species: Rat = 4875 mg/kg  
Test: LD50 - Route: Oral - Species: Rat = 3730 mg/kg
- b) skin corrosion/irritation:  
Test: Skin Irritant - Route: Skin Positive

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

None.

Substance(s) listed as OSHA Carcinogen(s):

None.

Substance(s) listed as NIOSH Carcinogen(s):

None.

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## 12. ECOLOGICAL INFORMATION

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

Claril HM

Not classified for environmental hazards

Based on available data, the classification criteria are not met

CITRIC ACID MONOHYDRATE - CAS: 5949-29-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 440 mg/l - Duration h: 48 - Notes: (Citric Acid Monohydrate)

Endpoint: LC50 - Species: Daphnia = 1535 mg/l - Duration h: 24 - Notes: (Citric Acid Monohydrate)

Endpoint: LC50 - Species: Algae = 425 mg/l - Duration h: 168 - Notes: (Citric Acid Monohydrate)

Endpoint: LC50 - Species: Bacteria > 10000 mg/l - Duration h: 16 - Notes: (Citric Acid Monohydrate)  
LACTIC ACID - CAS: 79-33-4  
a) Aquatic acute toxicity:  
Endpoint: EC50 - Species: Daphnia = 240 mg/l - Duration h: 48  
Endpoint: LC50 - Species: Fish = 320 mg/l - Duration h: 48  
Endpoint: EC50 - Species: Algae = 3500 mg/l  
Persistence and degradability  
N.A.  
Bioaccumulative potential  
N.A.  
Mobility in soil  
N.A.  
Other adverse effects  
None

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### 13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods  
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

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### 14. TRANSPORT INFORMATION

UN number  
Not classified as dangerous in the meaning of transport regulations.  
UN proper shipping name  
N.A.  
Transport hazard class(es)  
N.A.  
Packing group  
N.A.  
Environmental hazards  
N.A.  
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)  
N.A.  
Special precautions  
N.A.

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### 15. REGULATORY INFORMATION

USA - Federal regulations  
TSCA - Toxic Substances Control Act  
TSCA inventory: all the components are listed on the TSCA inventory.  
TSCA listed substances:  
None.  
SARA - Superfund Amendments and Reauthorization Act  
Section 302 – Extremely Hazardous Substances: no substances listed.  
Section 304 – Hazardous substances: no substances listed.  
Section 313 – Toxic chemical list: no substances listed.  
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
No substances listed.  
CAA - Clean Air Act  
CAA listed substances:  
None.  
CWA - Clean Water Act  
CWA listed substances:  
None.

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- USA - State specific regulations
  - California Proposition 65
    - Substance(s) listed under California Proposition 65:  
None.
  - Massachusetts Right to know
    - Substance(s) listed under Massachusetts Right to know:  
No substances listed.
  - New Jersey Right to know
    - Substance(s) listed under New Jersey Right to know:  
CITRIC ACID MONOHYDRATE.
  - Pennsylvania Right to know
    - Substance(s) listed under Pennsylvania Right to know:  
CITRIC ACID MONOHYDRATE.

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### 16. OTHER INFORMATION

- Full text of phrases referred to in Section 3:
  - H319 Causes serious eye irritation.
  - H315 Causes skin irritation.
  - H318 Causes serious eye damage.

Safety Data Sheet dated 9/16/2019, version 1  
Sections modified from the previous revision:

- 6. ACCIDENTAL RELEASE MEASURES
- 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Disclaimer:

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
- CAS: Chemical Abstracts Service (division of the American Chemical Society).
- CLP: Classification, Labeling, Packaging.
- DNEL: Derived No Effect Level.
- EINECS: European Inventory of Existing Commercial Chemical Substances.
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
- HMIS: Hazardous Materials Identification System
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association.
- IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
- ICAO: International Civil Aviation Organization.
- ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
- IMDG: International Maritime Code for Dangerous Goods.
- INCI: International Nomenclature of Cosmetic Ingredients.
- KSt: Explosion coefficient.
- LC50: Lethal concentration, for 50 percent of test population.
- LD50: Lethal dose, for 50 percent of test population.

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NFPA: National Fire Protection Association  
NIOSH: National Institute for Occupational Safety and Health  
NTP: National Toxicology Program  
OSHA: Occupational Safety and Health Administration  
PNEC: Predicted No Effect Concentration.  
RID: Regulation Concerning the International Transport of Dangerous Goods  
by Rail.  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.  
TLV: Threshold Limiting Value.  
TWA: Time-weighted average