

www.wfmed.com SAFETY DATA SHEET (SDS)

Creation date: 1/28/2015 Revision date: 7/26/2018

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Citral (Synthetic)

Product code AI-CTRLS

CAS# 5392-40-5

Product use Domestic and Industrial

WFMed Supplier

8245 Backlick Rd Unit D, Lorton VA 22079 USA Address

Telephone number 888-WFMED-97 (888-936-3397)

Emergency phone number 888-WFMED-97 (888-936-3397)

2. HAZARD(S) IDENTIFICATION

GHS Hazard Classification

Acute toxicity, dermal - Category 5 - H313 Skin corrosion/irritation - Category 2 - H315 Sensitisation, Skin - Category 1 - H317

Serious eye damage/eye irritation - Category 2A - H319

Hazardous to the aquatic environment, acute hazard - Category 2 - H401

GHS Label Elements



Signal Word

Pictogram

Warning

Hazard Statements

H313 May be harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H401

Toxic to aquatic life.

Precautionary Statements - Prevention

Avoid breathing dust/fumes/gas/mist/vapours/spray. P261 P264 Wash face, hands and any exposed skin thoroughly after

handling.

P272 Contaminated work clothing should not be allowed out of the

workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face

Precautionary Statements - Response

P302+P352 If on skin: Wash with plenty of water. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes.

Remove contact lenses if present and easy to do - continue

insing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell. P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing.

P363 Wash contaminated clothing before reuse.

Precautionary Statements - Disposal

P501 Dispose of contents/container in accordance with

local/regional/national/international regulation.

Hazards Not Otherwise Classified (HNOC)

100% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Family Aliphatic aldehyde

Formula C10H16O

Product Name CAS NO Concentration

Citral 5392-40-5 100%

4. FIRST-AID MEASURES

Description of first aid measures

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Remove contact lenses, if present and easy to do. If eye irritation persists, consult a physician.

Skin Contact

Remove contaminated clothing. Wash with soap and plenty of water. Wash contaminated clothing before reuse. Consult physician if irritation occurs.

Inhalation

Remove from exposure and move to fresh air. If not breathing, give artificial respiration. Consult a physician if you feel unwell.

Ingestion

Do NOT induce vomiting. Clean mouth with water, or dilute with milk or water. Never give anything by mouth to an unconscious person. Consult a physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

No data available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Foam, water spray (fog), dry chemical or carbon dioxide.

Specific hazards arising from the chemical

Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.

Special protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Further information

No data available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. Stop leak if you can do it without risk. Remove all sources of ignition. Use personal protection recommended in Section 8. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and materials for containment and cleaning up

Methods for containment

Contain and collect spillage with non-combustible absorbent material (sand, earth, diatomaceous earth), and place in container for disposal according to local/national regulations.

Methods for cleaning up

Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin, eyes or clothing. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Ensure adequate ventilation, especially in confined areas. Use personal protection recommended in Section 8. Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

Conditions for safe storage, including any incompatibilities

Storage conditions

Protect from direct sunlight. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.

Incompatible materials

None known based on information supplied.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters

ACGIH TLV - TWA: 5 ppm, inhalable fraction and vapor S*

Exposure controls

Engineering controls

Showers. Eyewash stations. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/Face protection: Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin/Body protection: Avoid contact with skin. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes, or clothing. Regular cleaning of equipment, work area, and clothing is recommended. Avoid breathing (dust, vapor, mist, gas).

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid

Appearance Clear, colorless to pale yellow

Odor Characteristic odor Flash point > 93 °C (> 200 °F)

Boiling point 230 °C
Vapor pressure 0.07
Specific gravity 0.885
Molecular weight 152.24

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possible hazardous reactions

None under normal processing.

Conditions to avoid

Avoid direct sunlight, sparks, flame, and excessive heat.

Incompatible materials

None known based on information supplied.

Hazardous decomposition

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

ATEmix Dermal: 2500 mg/kg

Skin corrosion/irritation

Irritating to skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

Sensitization

May cause sensitization by skin contact.

Germ cell mutagenicity

Not classified.

Carcinogenicity

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity

This product does not contain any known or suspected reproductive hazards above the threshold value.

Aspiration hazard

Not classified.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life.

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product

Dispose of product in accordance with local regulations.

Contaminated packaging

Do not reuse container.

14. TRANSPORT INFORMATION

US DOT (Land)

Not regulated.

IMDG/IMO (Sea)

Not regulated.

IATA/ICAO (Air)

Not regulated.

15. REGULATORY INFORMATION

SARA 311/312

Acute Health Hazard

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

16. OTHER INFORMATION

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