

FICHA COM DADOS DE SEGURANÇA

Nome do Produto: ALKONAT CE 200 F

Revisão: 00 (English)

Data: 14/05/2026

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1 - Identificação

Nome do Produto: ALKONAT CE 200 F

Número da FDS: 7251

Comercializado por: Morais de Castro Comércio e Importação de Produtos Químicos Ltda.

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1.1-Outras maneiras de identificação:

Ethoxylated cetearyl alcohol 20 EO; Cetearyl alcohol 20 EO.

1.2-Usos recomendados do produto químico e restrições de uso:

Industrial use.

2 - Identificação de perigos

Classification of the Substance or Mixture

Acute Toxicity – Oral, Category 4

Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 1

Hazardous to the Aquatic Environment – Acute, Category 2

GHS Label Elements:

Pictogramas:



Signal Word: DANGER

Hazard Statements:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H401 Toxic to aquatic life.

Precautionary Statements:

Prevention:

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

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

Response:

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P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

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 rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P330 Rinse mouth.

Disposal:

P501 Dispose of contents/container according to local regulations.

Other Hazards:

Not available.

3 - Composição e Informações sobre os ingredientes

Substance.

Chemical Identity:

Cetearyl Alcohol 20 EO

Common Names / Synonyms:

Ethoxylated cetearyl alcohol 20 EO; Cetearyl alcohol 20 EO; Ceteareth-20 (INCI - CTFA).

CAS Number: 68439-49-6 (generic)

Impurities Contributing to Hazard:

There are no impurities contributing to the classification of the substance.

4 - Medidas de primeiros-socorros

Description of possible first-aid measures:

Inhalation:

Seek immediate medical attention.

Remove victim to fresh air.

If breathing is difficult, provide oxygen.

If breathing has stopped, provide artificial respiration.

Skin Contact:

Remove contaminated clothing and shoes.

Wash affected areas thoroughly with plenty of running water, preferably under a shower.

Seek immediate medical attention.

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Eye Contact:

Immediately flush with plenty of running water for at least 15 minutes, keeping eyelids open.
Remove contact lenses if possible.
Seek immediate medical attention.

Ingestion:

Seek immediate medical attention.
Do not induce vomiting.
Vomiting should only be induced by medical personnel.
If vomiting occurs, keep the head lower than the torso to avoid aspiration into the lungs.
Never give anything by mouth to an unconscious or convulsing person.

Most Important Symptoms and Effects:

Ingestion:

Large amounts may cause gastrointestinal irritation and liver damage.

Inhalation:

Due to its low vapor pressure, inhalation problems at room temperature are unlikely.

Skin:

Short-term exposure to small amounts is unlikely to cause irritation or toxicity.
Prolonged or repeated contact may cause irritation.

Eyes:

May cause irritation.

Immediate Medical Attention and Special Treatment:

No specific antidote is known.
Treat according to symptoms and clinical condition.

5 - Medidas de combate a incêndio

Means of Extinction:

Suitable Extinguishing Media:

Alcohol-resistant foam.
Water spray.
Carbon dioxide (CO?).
Dry chemical powder.

Specific hazards arising from the substance or mixture:

Non-flammable product.
Dust/air mixtures may ignite or explode.
Combustion may generate carbon monoxide and carbon dioxide.

Special protection measures for firefighting personnel:

Do not direct water jets onto burning product, as this may spread the fire.
Use self-contained breathing apparatus and protective clothing.
Cool exposed containers with water spray and remove them if possible.

6 - Medidas de controle para derramamento ou vazamento

Personal precautions, protective equipment and emergency procedures:

Non-Emergency Personnel
Isolate and mark the area.
Keep away from heat and ignition sources.
Use personal protective equipment described in Section 8.

For non-emergency personnel:

Not available.

For emergency personnel:

Not available.

Environmental precautions:

Prevent product from reaching soil and waterways.
Notify authorities if contamination occurs.

Methods and materials for containment and cleanup:

Stop leak if possible.

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Contain spill with sand or earth dikes.
Eliminate ignition sources.
Transfer to suitable containers.
Absorb residues with suitable absorbent material.
Wash contaminated area with water and collect for disposal.

7 - Manuseio e armazenamento

Safe Handling Precautions:

Use in well-ventilated areas.
Avoid inhalation and contact with eyes, skin and clothing.
Wash contaminated areas immediately after accidental contact.
Emergency showers and eyewash stations should be available.
Wash hands and face thoroughly after handling.
Wash contaminated clothing before reuse.

Safe Storage Conditions:

Store in a covered, well-ventilated area away from sunlight, heat and open flames.
Ensure suitable temperature, pressure and humidity conditions.
Keep containers tightly closed when not in use.
Provide grounding to avoid static electricity accumulation.

Incompatible Materials:

Acids.
Strong oxidizing agents.
Combustible materials.

Recommended Packaging Materials:

Stainless steel.
Carbon steel coated with vinyl ester resin.
Polyethylene.

8 - Controle de exposição e proteção individual

Control Parameters:

TLV-TWA (ACGIH): Not established.
PEL-TWA (OSHA): Not established.
TLV-STEL (ACGIH): Not established.
LT (NR15): Not established.
Odor Threshold: Not available.
IDLH: Not available.
Biological Exposure Indices (ACGIH): Not established.

Engineering Controls:

Use adequate exhaust ventilation in enclosed areas.

Personal Protective Equipment:

Eye/Face Protection:

Safety goggles with side shields or wide vision goggles.

Skin Protection:

PVC apron and safety boots/shoes.

Hand Protection:

Rubber gloves or PVC gloves.

Respiratory Protection:

In emergencies or high concentrations, use self-contained breathing apparatus or supplied-air respirator.
Mechanical filter mask recommended for particulate exposure.

Thermal Hazards:

Not available.

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9 - Propriedades físicas e químicas

Physical State: Solid, flakes.

Color: White.

Odor: Not available.

Melting/Freezing Point: approx. 41 °C.

Boiling Point: Decomposes before boiling at atmospheric pressure.

Flammability: Not available.

Lower Explosive Limit: Not available.

Upper Explosive Limit: Not available.

Flash Point: > 170 °C (closed cup).

Auto-Ignition Temperature: Not available.

Decomposition Temperature: approx. 230 °C.

pH: 6.0 – 8.0 (1% solution, 25 °C).

Kinematic Viscosity: 42 cP, BKF (60 °C).

Solubility: Soluble in water and acetone.

Partition Coefficient (n-octanol/water): Not available.

Vapor Pressure: Not available.

Density: 1064 kg/m³ (20 °C).

Vapor Density: Not available.

Particle Characteristics: Not available.

10 - Estabilidade e reatividade

Reactivity:

No dangerous reactivity expected.

Chemical Stability:

Stable under normal use and storage conditions.

Possibility of Hazardous Reactions:

Does not polymerize.

Conditions to Avoid:

High temperatures, ignition sources and prolonged air exposure.

Incompatible Materials:

Acids.

Strong oxidizing agents.

Combustible materials.

Hazardous Decomposition Products:

Combustion may generate carbon monoxide and carbon dioxide.

11 - Informações toxicológicas

Acute Toxicity:

Oral LD50 (rat): 1260 mg/kg.

Dermal LD50 (rabbit): > 2000 mg/kg.

Skin Corrosion/Irritation:

Mild to moderate irritant.

Serious Eye Damage/Irritation:

Moderate to severe irritant.

Respiratory or Skin Sensitization:

Similar ethoxylated alcohols are not considered skin sensitizers.

Germ Cell Mutagenicity:

No concern regarding genotoxicity or mutagenicity.

Carcinogenicity:

Not carcinogenic.

Reproductive Toxicity:

No reproductive toxicity observed by oral or dermal exposure.

NOAEL oral (rat): > 250 mg/kg.

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Specific Target Organ Toxicity – Single Exposure:
Not available.

Specific Target Organ Toxicity – Repeated Exposure:
NOAEL oral, rat, 90d: 100 mg/kg (OECD 408).

Aspiration Hazard:
Not expected to present aspiration hazard.

12 - Informações ecológicas

Ecotoxicity:
Fish LC50, 96h (Brachydanio rerio): 2.9 mg/L.
Daphnia EC50, 48h: 18 mg/L.

Persistence and Degradability:
Readily biodegradable.
65–75% ThOD, 28 days.

Bioaccumulative Potential:
Not expected to bioaccumulate.

Mobility in Soil:
Not available.

Other Adverse Effects:
Not applicable.

13 - Considerações sobre destinação final

Recommended methods for final disposal

Product:
Prioritize reduction, reuse, recycling, co-processing and incineration in authorized facilities according to applicable regulations.

Packaging:
Do not cut, puncture or weld empty containers.
Dispose of packaging according to local regulations and prioritize recycling and recovery.

14 - Informações sobre transporte

National and international regulations:

Land Transport (ANTT):
Not classified as dangerous goods.

Maritime Transport (IMDG):
Not classified as dangerous goods.

Air Transport (IATA):
Not classified as dangerous goods.

ADR Transport:
Not classified as dangerous goods.

15 - Informações sobre regulamentações

Specific safety, health and environmental regulations for the chemical:

Brazilian Resolution No. 5.998/2022.
ADR – Dangerous Goods by Road.
ABNT NBR 14725/2023.
IMDG Code.
IATA Dangerous Goods Regulations.

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16 - Outras Informações

Important information, but not specifically described in the previous sections:

Not available.

References:

ACGIH TLVs and BEIs.
eChemPortal.
European Chemicals Bureau.
HERA.
Toxnet.

Abbreviations:

ACGIH: American Conference of Governmental Industrial Hygienists.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstracts Service.
EC50: Effective Concentration 50%.
LC50: Lethal Concentration 50%.
LD50: Lethal Dose 50%.
GHS: Globally Harmonized System.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
NOAEL: No Observed Adverse Effect Level.
OSHA: Occupational Safety and Health Administration.
TLV-TWA: Threshold Limit Value – Time Weighted Average.