SECTION 1 – IDENTIFICATION

GHS Product Identifier | Trade Name: Cola®Zoline T
CAS Number: 61791-39-7
Uses of the Substance / Mixture: Surfactant for various applications
Formula: N/A
Synonym: Tall oil hydroxyethyl imidazoline
Company Name: Colonial Chemical, Inc.
Company Address: 225 Colonial Drive, South Pittsburg, TN 37380 USA
Phone Number: (P) 423.837.8800 (F) 423.837.3888
Emergency Phone Number: Colonial Chemical: 423.837.8800 Chemtrec: 800.424.9300

SECTION 2 – HAZARDOUS IDENTIFICATION

Classification:
Skin Corrosion, Category 1
Serious Eye Damage, Category 1
Acute Toxicity, Category 4

Label Elements:
Hazardous products which must be listed on the label:
None

Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Signal word: Danger

Hazard statements:
H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage

Precautionary statements

General
None

Prevention
P260 Do not breathe dust/fume/gas/mist/vapours/spray
P264 Wash skin thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection

Response
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P312 Call a POISON CENTER/doctor/...if you feel unwell
P363 Wash contaminated clothing before reuse

Storage
P401 Store in an area between 10-30 °C
P404 Store in a closed container
P420 Store away from strong oxidizing agents and reducing agents
SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Identification No.</th>
<th>GHS Classification</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tall oil hydroxyethyl imidazoline</td>
<td>61791-39-7</td>
<td>EC No. 263-171-2</td>
<td>Skin Corrosion, Category 1 H314: Causes severe skin burns and eye damage</td>
<td>87% min.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Serious Eye Damage, Category 1 Acute Toxicity, Category 4 H302: Harmful if swallowed</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4 – FIRST AID MEASURES

Description of necessary first-aid measures

General advice: Show this safety data sheet to the doctor in attendance. First aider needs to protect himself/herself. Place affected clothing in a sealed bag for subsequent decontamination.

Inhalation: Remove victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

Skin contact: In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. If skin irritation continues: Get medical attention.

Eye contact: In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If present and easy to do, remove contacts. If eye irritation persists, consult a physician.

Ingestion: Do NOT induce vomiting without medical advice. Drink water as a precaution. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 – FIREFIGHTING MEASURES

Extinguishing media

CO2, Dry Chemical, BC/ABC Extinguishers

Special hazards arising from the substance or mixture

Specific hazards during firefighting: On combustion forms carbon monoxide, carbon dioxide, potassium oxide

Advice for firefighters

Special protective equipment: Self-contained breathing apparatus (EN 133) Full protective suit

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment. Do not touch damaged containers or spilled material unless wearing suitable protective clothing.

Methods for Cleaning or Taking Up

SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

LARGE SPILLS: Dike far ahead of spill for later disposal. To avoid gelling and foaming problems, do not use water to flush to industrial sewer. Spills may be reportable to local, state, federal and/or provincial authorities.

Additional advice

Prevent entry into waterways, sewers, basements or confined areas.

SECTION 7 – HANDLING AND STORAGE
Handling
Advice on safe handling and usage: Avoid contact with skin and eyes. Do not breathe vapors/dust.

Storage
Recommended: Store in original container between 50 - 100°F. Keep tightly closed when not in use.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>Value Type</th>
<th>Value</th>
<th>Update</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Components with workplace foreign control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>Value Type</th>
<th>Value</th>
<th>Update</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Control Measures
Engineering measures: Avoid splashes. Apply technical measures to comply with any occupational exposure limits when applicable.

Personal protective equipment
Respiratory protection: In the case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection: Wear appropriate gloves. In EU member states, gloves should satisfy the specification of EU Directive 89/686/EEC and the standard EN 374 derived from it. Please observe instructions provided by the glove supplier regarding permeability and breakthrough time. Also, take into consideration the specific local conditions under which the product is used, such as danger of cuts, abrasion and the contact time. Gloves must be inspected prior to use. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.


Skin and body protection: Wear appropriate clothing to avoid direct skin contact. Remove and wash contaminated clothing before wearing again.

Hygiene measures: Emergency equipment nearby and immediately accessible, with instructions for use. Ensure that eyewash stations and safety showers are close to the workstation location. Use clean, well-maintained personal protection equipment. Store the personal protection equipment in a clean location away from the work area. Contaminated work clothing should not be allowed out of the workplace. Before re-use, thoroughly clean personal protection equipment. Wash hands before breaks and immediately after handling the product. Shower or bathe at the end of working. When using the product do not eat, drink or smoke.

Protective measures: The protective equipment must be selected in accordance with current CEN standards and in cooperation with the supplier of the protective equipment. Selection of appropriate personal protective equipment should take into account the performance of the protective equipment relative the task(s) to be performed, conditions present, duration of use, and the potential hazards and/or risks that may occur during use

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Physical state: Liquid
Color: Clear, amber
Odor: characteristic amine
Odor Threshold: no data available

Safety data
pH (10% aq): 10.5 – 12.0
Melting point/range: no data available
Boiling point/boiling range: 191 °C
Flash point: > 93.3 °C closed cup
Flammability (solid, gas): no data available
Auto-ignition temperature: no data available
Water solubility: dispersible
Solubility in other solvents: no data available
Partition coefficient: noctanol/water: no data available
Vapor pressure: no data available
Evaporation rate: no data available
Relative vapor density: > 1
Density: no data available
Oxidation/Reduction Potential: no data available
Viscosity, dynamic: no data available
Viscosity, kinematic: no data available
Explosive properties: no data available
Thermal decomposition: no data available
Lower explosion limit: no data available
Upper explosion limit: no data available

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability
Stable

Hazardous reactions
Conditions to avoid: Prolonged excessive heat may cause product decomposition.
Materials to avoid: Strong oxidizing agents / reducing agents.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity
Acute oral toxicity: no data available
Acute inhalation toxicity: no data available
Acute dermal toxicity: no data available
Other routes of administration: no data available
Aspiration toxicity: no data available

Skin corrosion/irritation
Skin irritation: irritant

Serious eye damage/eye irritation
Eye irritation: risk of serious damage to the eyes

Respiratory or skin sensitization
Sensitization: no data available

Repeated dose toxicity
Repeated dose toxicity: no data available

STOT
STOT - single exposure: no data available
STOT - repeated exposure: no data available

Carcinogenicity
Carcinogenicity: no data available

Mutagenicity
Genotoxicity in vitro: no data available
Genotoxicity in vivo: no data available

Reproductive toxicity
Reproductive toxicity: no data available

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity assessment
Ecotoxicity assessment: no data available

Persistence and degradability
Biodegradability: no data available

Bioaccumulation
Bioconcentration factor (BCF): no data available

Other adverse effects
Environment assessment: no data available

SECTION 13 – DISPOSAL CONSIDERATIONS

Product Disposal
Advice on Disposal: Dispose of in accordance with local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

ADR
Proper Shipping Name: Corrosive liquid, basic, organic, n.o.s (Contains Fatty Amines)
Hazard Class: 8
UN-No: UN 3267
Packing Group: III
Label: Corrosive
Description: UN 3267 Corrosive Liquid, Basic, Organic, N.O.S.,8, PG III

RID
not regulated

DOT
Proper shipping name: Consumer Commodity
Hazard Class: 8
Subsidiary Class: Not applicable
Packing group: III
Reportable Quantity (RQ): Not applicable
Description: UN 3267 Corrosive Liquid, Basic, Organic, N.O.S. (Contains Fatty Amines)
Re-classed as Consumer Commodity ORM-D
Emergency Response Guide No: 171

IMDG
Proper Shipping Name: Corrosive liquid, basic, organic, n.o.s (Contains Fatty Amines)
Hazard Class: 8
Subsidiary Risk: Not applicable
UN-No: UN 3267
Packing Group: III
IMDGPage: Not applicable
Marine Pollutant: Not applicable
EmS: F-A, S-B
MFAG: See Guide.
Maximum quantity: See IMDG Code.
Description: UN 3267 Corrosive Liquid, Basic, Organic, N.O.S.,8, PG III

IATA
UN-No. UN 3267
Proper shipping name: Corrosive liquid, basic, organic, n.o.s (Contains Fatty Amines)
Hazard Class 8
Subsidiary Class Not applicable
Packing group: III
Description: UN 3267 Corrosive Liquid, Basic, Organic, N.O.S., 8, PG III.
Maximum quantity See DG List.

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

SECTION 15 – REGULATORY INFORMATION

TSCA: Listed
EU (EINECS): Listed
Canada (DSL): Listed
Australia (AICS): Listed
Japan (ENCS): N/D
Philippines (PICCS): Listed
Korea (ECL): Listed
New Zealand (NZIoC): Listed
China (IECSC): Listed

Follow all regulations in your country or region. Colonial Chemical, Inc is unable to confirm all regulatory information in regard to the substances in your country or region, and this information is subject to change without notice.

SECTION 16 – OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.
H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage.

Full text of P-Statements referred to under sections 2 and 3.
P260 Do not breathe dust/fume/gas/mist/vapours/spray
P264 Wash skin thoroughly after handling
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P312 Call a POISON CENTER/doctor/...if you feel unwell
P401 Store in an area between 10-30 °C
P404 Store in a closed container
P420 Store away from strong oxidizing agents and reducing agents
P501 Dispose of contents/container in accordance with local, regional, national and/or international regulations.

### HEALTH
- 3

### FLAMMABILITY
- 1

### REACTIVITY
- 0

### PERSONAL PROTECTION
- B

REVISED ON 01/13/2015

The information provided in this Safety Data Sheet is accurate to the best of Colonial Chemical, Inc.’s knowledge. No guarantees or liabilities are expressed or implied. Because users are most aware of the application of the product, they must ensure that proper personal protective equipment (PPE) is provided consistent with the information contained in the product SDS. This information is intended solely for the use of individuals trained in the particular hazard rating system. It does not release users from ensuring they are in conformity with all regulations linked to its activity.