1. Identification

Product identifier: CDA 19-6, 200 Proof

Other means of identification: None.

Recommended use: General purpose solvent.

Recommended restrictions: Use in accordance with manufacturer’s recommendations.

Manufacturer/Importer/Supplier/Distributor information

Greenfield Global USA Inc.

Company Name

1101 Isaac Shelby Drive
Shelbyville, KY 40065
USA

Telephone: 502.232.7600
Fax: 502.633.6100

Company Name

58 Vale Road
Brookfield, CT 06804
USA

Telephone: 203.740.3471
Fax: 203.740.3481

Emergency phone number

USA: CHEMTREC: 1.800.424.9300 (CCN 17213)

International: CHEMTREC: +1.703.527.3887 (CCN 17213)

2. Hazard(s) identification

Physical hazards: Flammable liquids

Category 2

Health hazards: Serious eye damage/eye irritation
Carcinogenicity

Category 2

Environmental hazards:

Hazardous to the aquatic environment, acute hazard
Hazardous to the aquatic environment, long-term hazard

Category 3

OSHA defined hazards: Not classified.

Label elements

Signal word: Danger


Precautionary statement

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. In case of fire: Use appropriate media to extinguish.

Storage
Store in a well-ventilated place. Keep cool. Store locked up.

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

Hazard(s) not otherwise classified (HNOC)
None known.

Supplemental information
None.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>95.2</td>
</tr>
<tr>
<td>2-Pentanone, 4-methyl-</td>
<td>108-10-1</td>
<td>3.8</td>
</tr>
<tr>
<td>Heptane</td>
<td>142-82-5</td>
<td>1</td>
</tr>
</tbody>
</table>

Composition comments
All concentrations are in percent by volume.

4. First-aid measures

Inhalation
Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact
Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Eye contact
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion
Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed
Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.

Indication of immediate medical attention and special treatment needed
Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

General information
Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media
Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical
Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed. Combustion products may include: carbon oxides.

Special protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions
In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards
Highly flammable liquid and vapor.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. The product is completely soluble in water. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid contact with eyes. Avoid prolonged exposure. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Pentanone, 4-methyl- (CAS 108-10-1)</td>
<td>PEL</td>
<td>410 mg/m3</td>
</tr>
<tr>
<td>Ethyl alcohol (CAS 64-17-5)</td>
<td>PEL</td>
<td>1900 mg/m3</td>
</tr>
<tr>
<td>Heptane (CAS 142-82-5)</td>
<td>PEL</td>
<td>2000 mg/m3</td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Pentanone, 4-methyl- (CAS 108-10-1)</td>
<td>STEL</td>
<td>75 ppm</td>
</tr>
<tr>
<td>Ethyl alcohol (CAS 64-17-5)</td>
<td>TWA</td>
<td>20 ppm</td>
</tr>
<tr>
<td>Heptane (CAS 142-82-5)</td>
<td>STEL</td>
<td>1000 ppm</td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Pentanone, 4-methyl- (CAS 108-10-1)</td>
<td>STEL</td>
<td>300 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>75 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>205 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50 ppm</td>
</tr>
</tbody>
</table>
US. NIOSH: Pocket Guide to Chemical Hazards

Components | Type | Value
---|---|---
Ethyl alcohol (CAS 64-17-5) | TWA | 1900 mg/m³
| | 1000 ppm
Heptane (CAS 142-82-5) | Ceiling | 1800 mg/m³
| | 440 ppm
| TWA | 350 mg/m³
| | 85 ppm

### Biological limit values

<table>
<thead>
<tr>
<th>ACGIH Biological Exposure Indices</th>
<th>Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Pentanone, 4-methyl-(CAS 108-10-1)</td>
<td>1 mg/l</td>
<td>Methyl isobutyl ketone</td>
<td>Urine</td>
<td>*</td>
<td></td>
</tr>
</tbody>
</table>

* - For sampling details, please see the source document.

### Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Chemical goggles are recommended.

#### Skin protection

- **Hand protection**: Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

- **Other**: Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

#### Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Respirator type: Chemical respirator with organic vapor cartridge.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

#### General hygiene considerations

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### 9. Physical and chemical properties

#### Appearance

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Form</th>
<th>Color</th>
<th>Odor</th>
<th>Odor threshold</th>
<th>pH</th>
<th>Melting point/freezing point</th>
<th>Initial boiling point and boiling range</th>
<th>Flash point</th>
<th>Evaporation rate</th>
<th>Flammability (solid, gas)</th>
<th>Upper/lower flammability or explosive limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid.</td>
<td>Liquid.</td>
<td>Colorless.</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
<td>-173.2 °F (-114 °C)</td>
<td>172.4 °F (78 °C)</td>
<td>57.2 °F (14.0 °C) Closed Cup</td>
<td>3 (100% Ethyl alcohol) (butyl acetate = 1)</td>
<td>Not applicable.</td>
<td>3 % v/v (100% Ethyl alcohol)</td>
</tr>
</tbody>
</table>

CDA 19-6, 200 Proof

946031   Version #: 01   Revision date: -   Issue date: 22-January-2019

SDS US

4 / 10
**Flammability limit - upper (%)**
19 % v/v (100% Ethyl alcohol)

**Vapor pressure**
41.6 mm Hg

**Vapor density**
1.6 (air = 1)

**Relative density**
Not available.

**Solubility(ies)**
- **Solubility (water)**: Completely soluble. (100% Ethyl alcohol)
- **Solubility temp. (water)**: 68 °F (20 °C)

**Partition coefficient (n-octanol/water)**
Not available.

**Auto-ignition temperature**
685.4 °F (363 °C)

**Decomposition temperature**
Not available.

**Viscosity**
Not available.

**Other information**
- **Bulk density**: 6.79 lb/gal
- **Explosive properties**: Not explosive.
- **Oxidizing properties**: Not oxidizing.

**10. Stability and reactivity**

**Reactivity**
The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability**
Material is stable under normal conditions.

**Possibility of hazardous reactions**
No dangerous reaction known under conditions of normal use.

**Conditions to avoid**
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

**Incompatible materials**
Strong oxidizing agents.

**Hazardous decomposition products**
No hazardous decomposition products are known.

**11. Toxicological information**

**Information on likely routes of exposure**

- **Inhalation**: Prolonged inhalation may be harmful.
- **Skin contact**: Causes mild skin irritation.
- **Eye contact**: Causes serious eye irritation.
- **Ingestion**: Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics**
Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.

**Information on toxicological effects**

**Acute toxicity**
Not expected to be acutely toxic.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Pentanone, 4-methyl- (CAS 108-10-1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>&gt; 16000 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>3200 mg/kg</td>
</tr>
</tbody>
</table>

**Ethyl alcohol (CAS 64-17-5)**

<table>
<thead>
<tr>
<th><strong>Acute</strong></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>117 - 125 mg/l, 4 Hours</td>
</tr>
</tbody>
</table>
**Components** | **Species** | **Test Results**
---|---|---
**Oral** | Rat | 10470 mg/kg
LD50 | Rat | 15000 mg/kg

**Heptane (CAS 142-82-5)**

**Acute**

**Inhalation**

**Vapor**

LC50 | Rat | > 29.3 mg/l, 4 Hours

**Oral**

LD50 | Rat | 15000 mg/kg

**Skin corrosion/irritation**

Causes mild skin irritation.

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization**

Not a respiratory sensitizer.

**Skin sensitization**

This product is not expected to cause skin sensitization.

**Germ cell mutagenicity**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity**

IARC Monographs. Overall Evaluation of Carcinogenicity

2-Pentanone, 4-methyl- (CAS 108-10-1) 2B Possibly carcinogenic to humans.

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

**Reproductive toxicity**

This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure**

Not classified.

**Specific target organ toxicity - repeated exposure**

Not classified.

**Aspiration hazard**

Not an aspiration hazard.

**Chronic effects**

Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

**12. Ecological information**

**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th><strong>Components</strong></th>
<th><strong>Species</strong></th>
<th><strong>Test Results</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Pentanone, 4-methyl- (CAS 108-10-1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia magna) 3682 mg/l, 24 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Pimephales promelas 505 mg/l, 96 Hours</td>
</tr>
<tr>
<td><strong>Chronic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Daphnia magna 78 mg/l, 21 days</td>
</tr>
<tr>
<td>Fish</td>
<td>NOEC</td>
<td>Pimephales promelas 57 mg/l, 31 days</td>
</tr>
<tr>
<td>Ethyl alcohol (CAS 64-17-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>EC10</td>
<td>Freshwater algae 11.5 mg/l, 72 hours</td>
</tr>
<tr>
<td>EC50</td>
<td>Freshwater algae 275 mg/l, 72 hours</td>
<td></td>
</tr>
<tr>
<td>Marine water algae</td>
<td></td>
<td>1900 mg/l</td>
</tr>
<tr>
<td>NOEC</td>
<td>Marine water algae 1580 mg/l</td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Freshwater fish 11200 mg/l, 24 hours</td>
</tr>
<tr>
<td>NOEC</td>
<td>Freshwater fish 250 mg/l</td>
<td></td>
</tr>
</tbody>
</table>
### Components Test Results

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Invertebrate</td>
<td></td>
</tr>
<tr>
<td>EC50 Freshwater invertebrate</td>
<td>5012 mg/l, 48 hours</td>
</tr>
<tr>
<td>Marine water invertebrate</td>
<td>857 mg/l, 48 hours</td>
</tr>
<tr>
<td>NOEC Freshwater invertebrate</td>
<td>9.6 mg/l, 10 days</td>
</tr>
<tr>
<td>Marine water invertebrate</td>
<td>79 mg/l, 96 hours</td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
<tr>
<td>EC50 Lemna minor</td>
<td>4432 mg/l, 7 days</td>
</tr>
<tr>
<td>NOEC Lemna minor</td>
<td>280 mg/l, 7 days</td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
<tr>
<td>Micro-organisms</td>
<td></td>
</tr>
<tr>
<td>LC50 Micro-organisms</td>
<td>5800 mg/l, 4 hours</td>
</tr>
<tr>
<td>Terrestrial Plant</td>
<td></td>
</tr>
<tr>
<td>EC50 Terrestrial plant</td>
<td>633 mg/kg dw</td>
</tr>
</tbody>
</table>

### Persistence and degradability
No data is available on the degradability of this product.

### Bioaccumulative potential

**Partition coefficient n-octanol / water (log Kow)**
- 2-Pentanone, 4-methyl- (CAS 108-10-1): 1.31
- Heptane (CAS 142-82-5): 4.66

### Mobility in soil
The product is completely soluble in water.

### Other adverse effects
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

#### Disposal instructions
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Local disposal regulations
Dispose in accordance with all applicable regulations.

#### Hazardous waste code
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

#### Waste from residues / unused products
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

#### Contaminated packaging
Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

#### DOT
- UN number: UN1170
- UN proper shipping name: Ethyl alcohol solution
- Transport hazard class(es):
  - Class: 3
  - Subsidiary risk: -
  - Label(s): 3
- Environmental hazards: II
- Marine pollutant: No.
- Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.
- Special provisions: 24, IB2, T4, TP1
- Packaging exceptions: 4b, 150
- Packaging non bulk: 202
- Packaging bulk: 242

#### IATA
- UN number: UN1170
- UN proper shipping name: Ethyl alcohol solution
- Transport hazard class(es):
  - Class: 3
Subsidiary risk -
Packing group II
Environmental hazards No.
ERG Code 3L
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG
UN number UN1170
UN proper shipping name ETHYL ALCOHOL SOLUTION
Transport hazard class(es)
Class 3
Subsidiary risk -
Packing group II
Environmental hazards
Marine pollutant No.
EmS F-E, S-D
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Not established.
Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4) Not regulated.
2-Pentanone, 4-methyl- (CAS 108-10-1) Listed.
Heptane (CAS 142-82-5) Listed.

SARA 304 Emergency release notification Not regulated.


Toxic Substances Control Act (TSCA) All components of the mixture on the TSCA 8(b) inventory are designated "active".

Superfund Amendments and Reauthorization Act of 1986 (SARA)
SARA 302 Extremely hazardous substance Not listed.
SARA 311/312 Hazardous chemical Yes
 Classified hazard categories Flammable (gases, aerosols, liquids, or solids)
Serious eye damage or eye irritation
Carcinogenicity

SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Pentanone, 4-methyl-</td>
<td>108-10-1</td>
<td>3.8</td>
</tr>
</tbody>
</table>

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
2-Pentanone, 4-methyl- (CAS 108-10-1)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number
2-Pentanone, 4-methyl- (CAS 108-10-1) 6715
Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

2-Pentanone, 4-methyl- (CAS 108-10-1) 35 %WV

DEA Exempt Chemical Mixtures Code Number
2-Pentanone, 4-methyl- (CAS 108-10-1) 6715

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace
2-Pentanone, 4-methyl- (CAS 108-10-1) Low priority
Ethyl alcohol (CAS 64-17-5) Low priority

US state regulations

US. Massachusetts RTK - Substance List
2-Pentanone, 4-methyl- (CAS 108-10-1)
Ethyl alcohol (CAS 64-17-5)
Heptane (CAS 142-82-5)

US. New Jersey Worker and Community Right-to-Know Act
2-Pentanone, 4-methyl- (CAS 108-10-1)
Ethyl alcohol (CAS 64-17-5)
Heptane (CAS 142-82-5)

US. Pennsylvania Worker and Community Right-to-Know Law
2-Pentanone, 4-methyl- (CAS 108-10-1)
Ethyl alcohol (CAS 64-17-5)
Heptane (CAS 142-82-5)

US. Rhode Island RTK
2-Pentanone, 4-methyl- (CAS 108-10-1)
Ethyl alcohol (CAS 64-17-5)
Heptane (CAS 142-82-5)

California Proposition 65

WARNING: This product can expose you to 2-Pentanone, 4-methyl-, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance
2-Pentanone, 4-methyl- (CAS 108-10-1) Listed: November 4, 2011

California Proposition 65 - CRT: Listed date/Developmental toxin
2-Pentanone, 4-methyl- (CAS 108-10-1) Listed: March 28, 2014

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))
2-Pentanone, 4-methyl- (CAS 108-10-1)

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Taiwan</td>
<td>Taiwan Chemical Substance Inventory (TCSI)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 22-January-2019