

Section 1. Product and Company Identification

**Product Name** 2-Octen-4-one  
**CAS Number** 4643-27-0

**Parchem - fine & specialty chemicals**  
**415 Huguenot Street**  
**New Rochelle, NY 10801**  
☎ (914) 654-6800 ☎ (914) 654-6899  
🌐 [parchem.com](http://parchem.com) ✉ [info@parchem.com](mailto:info@parchem.com)

EMERGENCY RESPONSE NUMBER  
CHEMTEL  
Toll Free US & Canada: 1 (800) 255-3924  
All other Origins: 1 (813) 248-0585  
Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**  
**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**  
Eye irritation (Category 2A), H319

**GHS Label Elements**  
**Pictograms:**



**Signal word:** WARNING

**Hazard and precautionary statements**  
**Hazard Statements**

H319 Causes serious eye irritation.

**Precautionary Statements**

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ eye protection/ face 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.

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

**Health Hazards (Acute and Chronic)**

**Skin Contact:** May cause irritation

**Inhalation:** Not established

**Eye Contact:** May cause irritation

**Ingestion:** Not established



**Other Effects:** The health hazard information is based on laboratory animal test data for the individual components of this product in their pure form as provided under 29 CFR 1910.1200 (d)(5)(ii). The user should consider the relevancy of this information in a manner consistent with its particular purpose.

Section 3. Composition / Information on Ingredients

<b>Common Name</b>	2-Octen-4-one
<b>Synonym(s)</b>	(E)-Oct-2-en-4-one
<b>Formula</b>	C <sub>8</sub> H <sub>14</sub> O
<b>CAS Number</b>	4643-27-0

Section 4. First Aid Measures

**Eyes:** Immediately flush eyes with large quantities of cold clean water for at least 15 minutes. Call a physician immediately.

**Skin:** Wash with soap and water. Flush with large quantities of water. If irritation persists call a physician.

**Inhalation:** Remove to fresh air and call a physician if necessary.

**Ingestion:** Administer water or milk to dilute. Contact a physician or local poison control center immediately. Do not induce vomiting.

Section 5. Firefighting Measures

**Flash Point (Closed Cup):** 143°F

**Extinguishing Media:** Carbon Dioxide; Dry Chemical; Universal Type Foam

**Special Fire Fighting Procedures:** Evacuate unprotected and untrained personnel. Trained firefighting personnel should be equipped with self-contained breathing apparatus and full protective gear

**Unusual Fire, Explosion, and Stability Hazards:** None known

Section 6. Accidental Release Measures

Remove any sources of flame or sparks. If in a confined area NIOSH-approved respiratory protection may be required. Absorb spills on vermiculite or other suitable absorbent material and remove to an approved disposal container.

Section 7. Handling and Storage

It is recommended that this material be stored in tight full containers in a cool, dry place away from light.



Section 8. Exposure Controls / Personal Protection

**Eyes:** In general, the use of safety glasses is recommended. If the material is to be handled in a manner where splashing may occur, the use of splash goggles or face shield is recommended

**Respiratory:** In well ventilated areas respiratory protection is not normally required. In confined, poorly ventilated areas the use of NIOSH-approved respiratory protection may be required or if material is rated toxic by inhalation

**Equipment and Apparel:** The use of chemical resistant gloves is recommended. Acceptable industrial hygiene practices should be maintained. Limit exposure to product whenever possible, wash after any contact. Thoroughly wash any contaminated clothing or shoes

**Ventilation:** Ventilation meeting ACGIH standards should be employed

Section 9. Physical and Chemical Properties

**Physical State:** Liquid

**% Volatile:** 100

**Odor:** Mushroom, peach-like

**Melting Point:** N/A

**Color:** Colorless to pale yellow

**Vapor Density (Air = 1):** N/A

**Solubility in Water:** Insoluble

**Refractive Index (20°C):** 1.440

**Boiling Point:** 81°C

**Water Content:** N/A

**Vapor Pressure (20°C):** N/A

**Alcohol Content:** N/A

**Specific Gravity (25°C, H<sub>2</sub>O = 1.0):** 0.850

Section 10. Stability and Reactivity

This material presents no significant hazard. Hazardous Polymerization will not occur and it will not react violently with water. Contact with highly reactive chemical oxidants should be avoided. If burned this product will produce carbon monoxide and/or carbon dioxide

Section 11. Toxicological Information

**Carcinogenicity**

**NTP:** No

**OSHA:** No

**IARC Monograph:** No

**OSHA PEL:** Not established

**ACGIH TLV:** Not established



**Acute Toxicity Data**

**Oral LD50:** Not established

**Dermal LD50:** Not established

**Inhalation LC50:** Not established

Section 12. Ecological Information

No data available

Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

**DOT (US)**

**DOT Classification:** DOT Class 3: Flammable liquid.

**PIN Number:** UN1224

**Proper Shipping Name:** Ketones, liquid, N.O.S

**Packing Group (PG):** III

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

Section 15. Regulatory Information

**US Federal**

**HMIS III Rating**

**Health:** 1

**Flammability:** 2

**Reactivity:** 0

**Personal Protection:** X

**TSCA**

CAS# 4643-27-01S Listed on the TSCA Inventory

**Health & Safety Reporting List:** None of the chemicals are on the health & safety reporting list.

**Chemical Test Rules:** None of the chemicals in this product are under a chemical test rule.

**Section 12B:** None of the chemicals are listed under TSCA Section 12B

**TSCA Significant New Use Rule:** None of the chemicals in this material have a SNUR under TSCA.



**SARA**

**CERCLA Hazardous Substances and Corresponding RQS:** None of the chemicals in this material have an RQ

**SARA Section 302 Extremely Hazardous Substances:** None of the chemicals in this product have a TPQ

**Section 313:** No chemicals are reportable under section 313

**Clean Air Act:** This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters

**Clean Water Act**

None of the chemicals in this product are listed as hazardous substances under the CWA.

None of the chemicals in this product are listed as priority pollutants under the CWA.

None of the chemicals in this product are listed as toxic pollutants under the CWA.

**OSHA:** None of the chemicals in this product are considered highly hazardous by OSHA  
CAS# 4643-27-0 is not present on State Lists from CA, PA, MN, MA, FL, or NJ

**California No Significant Risk Level:** None of the chemicals in this product are listed

**European/International Regulations:** European labeling in accordance with EC Directives

**Hazard Symbols:** Not available

**Risk Phrases**

**Safety Phrases**

S 24/25 Avoid contact with skin and eyes

S 37 Wear suitable gloves

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

S 28A After contact with skin, wash immediately with plenty of water

**WGK (Water Danger/Protection):** CAS# 4643-27-0: No information available.

**CANADA - DSL/NDSL:** CAS# 4643-27-0 is listed on Canada's DSL List.

**CANADA - WHMIS:** Not Available.

Section 16. Other Information

**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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