

Section 1. Product and Company Identification

**Product Name** 2-Methylimidazole  
**CAS Number** 693-98-1

**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)**

Acute toxicity, Oral (Category 4): H302  
Skin corrosion (Category 1B): H314  
Serious eye damage (Category 1): H318

**GHS Label Elements**

**Pictograms:**



**Signal word:** DANGER

**Hazard and precautionary statements**

**Hazard statements**

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

**Precautionary statements**

P260: Do not breathe dust or mist.  
P264: Wash skin thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P301 + P312: If swallowed, call a poison center or doctor/ physician if you feel unwell.  
P301 + P330 + P331: If swallowed, rinse mouth. Do not induce vomiting.  
P303 + P361 + P353: If on skin (or hair), remove/ Take off immediately all contaminated clothing.  
Rinse skin with water/ shower.

P304 + P340: If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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 or doctor/ physician.

P321: Specific treatment (see supplemental first aid instructions on this label).

P363: Wash contaminated clothing before reuse.

P405: Store locked up.

P501: Dispose of contents/ container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC) or not covered by GHS:** None

Section 3. Composition / Information on Ingredients

**Common Name** 2-Methylimidazole  
**Synonym(s)** 2-Methylglyoxaline  
**Formula** C<sub>4</sub>H<sub>6</sub>N<sub>2</sub>  
**CAS Number** 693-98-1

COMPONENT	CAS NUMBER	CONCENTRATION
2-Methylimidazole	693-98-1	90 – 100%

Section 4. First Aid Measures

**Description of first aid measures**

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Inhalation:** Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**Skin contact:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

**Eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

**Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Most important symptoms and effects, both acute and delayed:** The most important known symptoms and effects are described in the labelling and/or in section 11.

**Indication of any immediate medical attention and special treatment needed:** No data available

Section 5. Firefighting Measures

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide



**Special hazards arising from the substance or mixture:** Carbon oxides, nitrogen oxides (NO<sub>x</sub>)

**Advice for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

**Further information:** no data available

#### Section 6. Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

**Environmental precautions:** Do not let product enter drains.

**Methods and materials for containment and cleaning up:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Reference to other sections:** For disposal see section 13.

#### Section 7. Handling and Storage

**Precautions for safe handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.

**Conditions for safe storage, including any incompatibilities:** Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.

#### Section 8. Exposure Controls / Personal Protection

##### Control parameters

**Components with workplace control parameters:** Contains no substances with occupational exposure limit values.

##### Exposure controls

**Appropriate engineering controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

##### Personal protective equipment

**Eye/face protection:** Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.



**Body Protection:** Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) 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).

**Control of environmental exposure:** Do not let product enter drains.

#### Section 9. Physical and Chemical Properties

##### Control parameters

**Components with workplace control parameters:** Contains no substances with occupational exposure limit values.

##### Exposure controls

**Appropriate engineering controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

##### Personal protective equipment

**Eye/face protection:** Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Body Protection:** Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) 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).

**Control of environmental exposure:** Do not let product enter drains.

#### Section 10. Stability and Reactivity

**Reactivity:** No data available

**Chemical stability:** Stable under recommended storage conditions.



**Possibility of hazardous reactions:** No data available

**Conditions to avoid:** No data available

**Incompatible materials:** Strong oxidizing agents, acids, Acid chlorides, Acid anhydrides

**Hazardous decomposition products**

**Other decomposition products:** No data available

**In the event of fire:** see section 5

#### Section 11. Toxicological Information

**Information on toxicological effects**

**Acute toxicity**

**LD50 Oral:** mouse - 1,400 mg/kg

**Remarks:** Behavioral - Convulsions or effect on seizure threshold.

**Inhalation:** No data available

**Dermal:** No data available

**Skin corrosion/irritation:** No data available

**Serious eye damage/eye irritation:** No data available

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available

**Carcinogenicity**

**IARC:** 2B - Group 2B: Possibly carcinogenic to humans (2-Methylimidazole)

**ACGIH:** No components of this product present, at levels greater than or equal to 0.1%, is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP:** No components of this product present, at levels greater than or equal to 0.1%, is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No components of this product present, at levels greater than or equal to 0.1%, is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** No data available

**Specific target organ toxicity - single exposure:** No data available

**Specific target organ toxicity - repeated exposure:** No data available

**Aspiration hazard:** No data available

**Additional Information**

**RTECS:** NI7175000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12. Ecological Information

**Toxicity**

**Toxicity to fish**

**LC50:** Pimephales promelas (fathead minnow) - 286 mg/l (96 h)

**Persistence and degradability:** No data available

**Bio accumulative potential:** No data available

**Mobility in soil:** No data available

**Results of PBT and vPvB assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects:** 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**

**UN-No:** UN3263

**Proper Shipping Name:** Corrosive solid, basic, organic, n.o.s.

**Hazard Class:** 8

**Packing Group:** III

**Subsidiary Risk:** Not applicable

**Marine Pollutant:** No data available

**ERG No:** 154

**DOT RQ (lbs):** No information available

**Symbol(s):** G

**TDG (Canada)**

**UN-No:** UN3263

**Proper Shipping Name:** Corrosive solid, basic, organic, n.o.s.

**Hazard Class:** 8

**Packing Group:** III

**Subsidiary Risk:** No information available

**Description:** No information available

**ADR**

**UN-No:** UN3263

**Proper Shipping Name:** Corrosive solid, basic, organic, n.o.s.



**Hazard Class:** 8  
**Packing Group:** III  
**Subsidiary Risk:** No information available  
**Classification Code:** No information available  
**Description:** No information available  
**CEFIC Tremcard No:** No information available

#### IMO/IMDG

**UN-No:** UN3263  
**Proper Shipping Name:** Corrosive solid, basic, organic, n.o.s.  
**Hazard Class:** 8  
**Packing Group:** III  
**Subsidiary Risk:** No information available  
**Description:** No information available  
**IMDG Page:** No information available  
**Marine Pollutant:** No information available  
**EMS:** F-A  
**MFAG:** No information available  
**Maximum Quantity:** No information available

#### RID

**UN-No:** UN3263  
**Proper Shipping Name:** Corrosive solid, basic, organic, n.o.s.  
**Hazard Class:** 8  
**Packing Group:** III  
**Subsidiary Risk:** 8  
**Classification Code:** No information available  
**Description:** No information available

#### ICAO

**UN-No:** UN3263  
**Proper Shipping Name:** Corrosive solid, basic, organic, n.o.s.  
**Hazard Class:** 8  
**Packing Group:** III  
**Subsidiary Risk:** No information available  
**Description:** No information available

#### IATA

**UN-No:** UN3263  
**Proper Shipping Name:** Corrosive solid, basic, organic, n.o.s.  
**Hazard Class:** 8  
**Packing Group:** III  
**ERG Code:** 8L  
**Description:** No information available



Section 15. Regulatory Information

**SARA 302 Components**

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

**SARA 313:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:** Acute Health Hazard, Chronic Health Hazard

**Massachusetts Right to Know Components:** No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right to Know Components:** 2-Methylimidazole, CAS-No 693-98-1

**New Jersey Right to Know Components:** 2-Methylimidazole, CAS-No. 693-98-1

**California Prop. 65 Components:** Warning! This product contains a chemical known to the State of California to cause cancer. 2-Methylimidazole, CAS-No. 693-98-1

**NFPA**

**Health Hazard:** 3

**Fire Hazard:** 1

**Reactivity:** 0

**HMIS**

**Health hazard:** 3

**Fire Hazard:** 1

**Reactivity:** 0

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.

REVISION DATE: 10/7/2015