*Hefei* *TNJ* *Chemical* *Industry* *Co.,Ltd.*

***Specialized*** ***in*** ***chemicals***

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| **Hefei** **TNJ** **Chemical** **Industry** **Co.,Ltd.**  D1508 Xincheng Business Center,  Qianshan Rd. Hefei 230022 China  Tel : (0086) 551 65418678  Fax: (0086) 551 65418697  Email: [info@tnjchem.com](mailto:info@tnjchem.com)  Site: www.tnjchem.com |

***Material*** ***Safety*** ***Data*** ***Sheet***

**Piroctone** **Olamine** **MSDS**

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| **Section** **1:** **Chemical** **Product** **and** **Company** **Identification** | | |
| **Product** **Name:** Piroctone Olamine  **CAS#:** 68890-66-4  **Synonym:**PO;OCTO; Octopirox  **Chemical** **Name:** Piroctone Olamine  **Chemical** **Formula:** C16H30N2O3  **Contact** **Information** **for** **Emergency:** (0086) 551 65418681  **Hefei** **TNJ** **Chemical** **Industry** **Co.,Ltd.** | | |
| D1508 Xincheng Business Center  Qianshan Road, Hefei  230004Anhui  China | Tel :  Fax: Email:  Site: | (0086) 551 654186978  (0086) 551 65418697 [info@tnjchem.com](mailto:info@tnjchem.com) www.tnjchem.com |

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| **Section** **2:** **Composition** **and** **Information** **on** **Ingredients** |
| **Composition:**  **Name** **CAS** **#** **%** **by** **Weight**  Piroctone Olamine 68890-66-4 100  **Toxicological** **Data** **on** **Ingredients:** Piroctone Olamine : not available |

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| **Section** **3:** **Hazards** **Identification** |
| **Potential** **Acute** **Health** **Effects:**  Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Severe over-exposure can result in death.  **Potential** **Chronic** **Health** **Effects:** |

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| CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells.  TERATOGENIC EFFECTS: Classified POSSIBLE for human. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to kidneys . Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs. |

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| **Section** **4:** **First** **Aid** **Measures** |
| **Inhalation:**  If inhaled, remove to fresh air and have a rest. Call a physician if uncomfortable.  **Eye** **Contact:**  Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water.  Get medical attention.  **Skin** **Contact:**  In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes.  **Ingestion:**  Get medical attention if symptoms appear. Gargle.  **Emergency** **relief:**  Wear protective stuff such as rubber glove and goggles |

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| **Section** **5:** **Fire** **and** **Explosion** **Data** |
| **Protective** **equipment:** Wear fully protective suit. Mouth respiratory protective device. Do not inhale explosion gases or combustion gases.  **Extinguishing** **Media:** CO2 , sand, extinguishing powder, water.  **Auto** **ignition** **Temperature:** Not determined.  **Flash** **Point:** Not determined.  **LEL:** Not determined.  **UEL:** Not determined.  **Special** **fire** **&** **explosion** **hazards:** Irritating and toxic fumes and gases will emitted when burned without  sufficient oxygen. Dust in the air up to a certain concentration possible explosion.  **Exiting** **using** **media:** Dry chemical, carbon dioxide, and foam .  **Unusual** **Fire** **or** **Explosion** **Hazards:** None. |

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| **Section** **6:** **Accidental** **Release** **Measures** |

**and** **rotection:** rotective gloves

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| **Person-related** **safety** **precautions:** Wear protective equipment. Keep unprotected persons away. **Measures** **of** **environmental** **protection:** Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow  to enter sewers / surface or ground water.  **Measures** **for** **cleaning** **/** **collecting:**  **Small** **leak:** Mix absorb leaked materials with (sand, diatomite, sawdust) then cleaning and placed into a suitable container handling. Avoid creating dust.  **Much** **leak:** Isolation accident area to prevent the leak products to be contaminated, and then to recycling collection the leak products. |

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| **Section** **7:** **Handling** **and** **Storage** |
| **Information** **for** **safe** **handling:**  Closed operation, attention to ventilation. Operation as mechanization and automation. The operator must go through specialized training, strict compliance with the operating rules.  Proposed operators wear self-absorption filter respirators (full cover), wear rubber acid suit, wearing rubber gloves, careful handling and light unloading, prevent packaging and containers to damage.  **Storage:**  Stored in a cool, ventilated warehouse. Away from fire and heat sources. To prevent direct sunlight, sealed packaging. Products should be separately storage away from food and strong oxidant. Equipped with the appropriate variety and quantity of extinguisher, storage areas should be equipped with a suitable container  to handle leak. |

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| **Section** **8:** **Exposure** **Controls/Personal** **Protection** |
| **Ventilation** **and** **Engineering** **controls:**  No special ventilation and engineering controls are required, handling of these products need keep good  ventilation.  **Respiratory** **Protection:**  A respiratory protection program that meets OSHA’s 29 CFR 1910. 134 and ANSI Z88.2 requirements or European standard EN 149 must be followed whenever workplace conditions warrant a respirator’s use. Or  use NIOSH/MSHAapproved respirator appropriate for exposure of concern.  **H** **P** P |

**azardous** **olymerization:**

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| **Eyes** **Protection:** Safety goggles  **Skin** **and** **Body:** Protective clothes. Wear protective boots, if needed. |

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| **Section** **9:** **Physical** **and** **Chemical** **Properties** |
| **Physical** **state** **(20**C**):** Solid  **Appearance:** Chrystal-powder  **Color:** White  **Odor:** Characteristic  **PH:** 9.0- 10  **Boiling** **Point:** Not available  **Melting** **Point:** 133- 136C  **Flash** **Point:** Not available  **Self-igniting:** Not available  **Specific** **Gravity:** Not available  **Explosion** **Properties:** Not available  **Upper** **Explosive** **Limit:** Not available  **Lower** **Explosive** **Limit:** Not available  **Density:** Not available.  **Relative** **density:** Not available  **Vapor** **density:** Not available  **Evaporation** **rate:** Not available |

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| **Section** **10:** **Stability** **and** **Reactivity** **Data** |
| **Chemical** **Stability:** stable under common condition  **Chemistry** **reflect:** Strong oxidant and reductant.  **Hazardous** **Decomposition** **Products:** Carbon dioxide, carbon and trace volatile organic compounds. **H** **P** Hazardous polymerization will not occur |

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| **Section** **11:** **Toxicological** **Information** |
| **Toxicity** **to** **Animals:** LD50: Not available LC50: Not available  **Chronic** **Effects** **on** **Humans:** CARCINOGENIC EFFECTS: Classified None by NTP, NONE by OSHA. 3 (Not classifiable for human.) by IARC.  **Other** **Toxic** **Effects** **on** **Humans:** None |

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| **On** **the** **skin:** None  **On** **the** **eye:** Irritant effect possible  **Carcinogenicity:** Not available  **Mutagenicity:** Not available  **Teratogenicity:** Not available. |

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| **Section** **12:** **Ecological** **Information** |
| **Information** **about** **elimination** **(persistence** **and** **degradability):** Heavily removable from water  **Behaviour** **in** **environmental** **systems:**  **Mobility** **and** **bioaccumulation** **potential:** May be accumulated in organism  **Ecotoxical** **effects:** The substance may be hazardous to the environment, water and aquatic should be given  special attention.  **General** **notes:** Water hazard class 1 (German Regulation) (Self-assessment): slight hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system . |

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| **Section** **13:** **Disposal** **Considerations** |
| **Waste** **Disposal:**  Waste must be disposed of in accordance with federal, state and local environmental control regulations. |

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| **Section** **14:** **Transport** **Information** |
| **DOT** **Classification** **for** **Bulk** **Shipments** **(non** **bulk** **shipments** **may** **differ):** Not a DOT controlled material. **UN** **No.:** Not applicable.  **Packing** **type:** Not applicable.  **Hazardous** **Substance** **Reportable** **Quantity:** Not applicable.  **Special** **Provisions** **for** **Transport:** Not applicable.  **TDG** **Classification:** Not controlled under TDG (Canada).  **ADR/RID** **Classification:** Not controlled under ADR (Europe).  **IMO/IMDG** **Classification:** Not controlled under IMDG.  **ICAO/IATA** **Classification:** Not controlled under IATA. |

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| **Section** **15:** **Other** **Regulatory** **Information** |
| **HCS** **Classification:** **This** **product** **is** **not** **a** ***“*Hazardous** **Chemical*”*** **as** **defined** **by** **the** **OSHA** **Hazard**  **Communication** **Standard,** **29** **CFR** **1910.1200.** |

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| **U.S.** **Federal** **Regulation:**  **TSCA** **inventory:** All components are listed or exempted.  **SARA** **301/302/303:** No chemicals in this product are listed as extremely hazards substances in 40 CFR 355, Emergency Planning And Notification.  **SARA** **304:** No chemicals in this product require reporting under the requirement of 40 CFR 355, Emergency Planning And Notification.  **SARA** **313:** This product contains no chemical in excess of the applicable de minims concentration that are subject to the reporting requirements of section 313 of Title Ⅲ of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (Table 372.65).  Specific state and local regulations should be consulted to determine if there are any additional requirements. Because many states and localities have added requirements or incorporated the Federal contents in their own forms. Tier Ⅰ& Ⅱ forms should be obtained from the State Emergency Response Commission (SERC).  **Clean** **water** **act** **(CWA)** **307:** No products were found. **Clean** **water** **act**  **(CWA)** **311:** No products were found. **International** **Regulations**  Labelling according to EU guidelines:  The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous  Materials. |

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| **Section** **16:** **Other** **Information** |
| **References:** Not available.  **Other** **Special** **Considerations:** Not available.  **Created:** 10/09/2009 05:26 PM  **Last** **Updated:** 01/01/2024 12:00 PM |

*The* *information* *above* *is* *believed* *to* *be* *accurate* *and* *represents* *the* *best* *information* *currently* *available* *to* *us.* *However,* *we* *make* *no* *warranty* *of* *merchantability* *or* *any* *other* *warranty,* *express* *or* *implied,* *with* *respect* *to* *such* *information,* *and* *we* *assume* *no* *liability* *resulting* *from* *its* *use.* *Users* *should* *make* *their* *own* *investigations* *to* *determine* *the* *suitability* *of* *the* *information* *for* *their* *particular* *purposes.* *In* *no* *event* *shall* *we* *m* *be* *liable* *for* *any* *claims,* *losses,* *or* *damages* *of* *any* *third* *party* *or* *for* *lost* *profits* *or* *any* *special,* *indirect,* *incidental,* *consequential* *or* *exemplary* *damages,* *howsoever* *arising,* *even* *if* *we* *have* *been* *advised* *of* *the* *possibility* *of* *such* *damages.*