



SAVYA INTERNATIONAL

Office: #405, 4th Floor, Super Plaza, Sandesh Press Road, Vastrapur, Ahmedabad-54, Gujarat (INDIA)

Tel : +91-79-26730747 • Fax : +91-79-26730747 • Email : info@savyainternational.com

MATERIAL SAFETY DATA SHEET (According to EC Directive 2001/58/EEC)

MSDS No – SI / MSDS 003

Revision No. 02

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| Section 1: Product and Company Information | |
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| Product Code Name(s) | PIGMENT RED 48:2 |
| Chemical Substance / The Preparation | MONO AZO PIGMENT, CALCIUM SALT |
| Company | SAVYA INTERNATIONAL #405, Super Plaza, Sandesh Press Road, Vastrapur, Ahmedabad – 380054 INDIA |
| Technical Phone | 079 – 25710240 |
| Fax | 079 – 25710240 |
| Email | info@savyainternational.com |
| Section 2: Composition / Information on Ingredients | |
| Product Description | |
| C.I Name | Pigment Red 48:2 |
| C.I Number | 15865:2 |
| C.A. S No. | 7023-61-2 |
| EINECS No. | |
| Section 3: Hazards Identification | |
| Emergency Overview | This product is non-volatile solid and practically insoluble in water. Not considered being flammable or explosive. However, dusty conditions increase the risk of dust explosion hazard. When involved in a fire or exposed to high temperature for an extended period of time, organic pigments may smolder or burn evolving noxious fumes which can include oxide of nitrogen and carbon, hydrogen chloride and other toxic gases and vapours. |
| Section 4: First Aid Measures | |
| After Inhalation | Remove to fresh air. If conscious, give victim artificial respiration. |
| After Skin Contact | In case of contact, wash with soap and water. Wash clothing before reuse. |
| After Eye Contact | Wash affected eyes for 15 minutes with under running water. |
| After Ingestion | Do not give anything by mouth to an unconscious person. Do not induce vomiting. Get medical attention if symptoms appear. |
| Section 5: Fire Fighting Measures | |
| Fire and Explosion Hazard | Fire or excessive heat may produce hazardous decomposition products. |
| Special Fire Fighting Equipment | Use Self-Contained Breathing Apparatus (SCBA). |
| Extinguishing Media | This material is not combustible and is not anticipated to react with commercially employed extinguishing media. Use appropriate extinguishing media for surrounding fire. |
| Flammable Limits | Flash Point - Non-Flammable material |



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| Section 6: Accidental Release Measures | |
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| Spill Procedures | Protect against identified hazards through use of prescribed personal protection equipment. Limit foot and vehicular traffic to minimize mechanical agitation and dispersion. Employ a vacuum, equipped with HEPA (High Efficiency Particulate Air) filter, for clean-up of the spill material. If no vacuum is available, use a broom and shovel to collect excess powder in the area. Residual material should then be cleared, utilizing the process of wet sweeping, to avoid dust generation. |
| Containment Techniques | During spill cleanup, residual wash waters should be contained and collected for proper disposal. |
| Personal Protective Equipment | The following protective equipment when performing spill response activities: <ul style="list-style-type: none"> • gloves (rubber or leather) , cotton or Tyvek coveralls • respiratory equipment recommended , chemical/safety impact goggles |
| Section 7: Handling and Storage | |
| Handling | Use of appropriate engineering controls and good industrial hygiene practices. Ensure good general ventilation in the workplace; local exhaust ventilation may be necessary, especially when emptying containers. |
| Storage | Keep containers tightly closed and store in a cool, dry and well-ventilated away from direct sources of heat. |
| Section 8: Exposure Controls / Personal Protection | |
| Exposure Limits | |
| Engineering Controls | If user operations generate dusts or fumes, use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. |
| Personal Protection | <ul style="list-style-type: none"> • Respiratory Protection - If the exposure limit is exceeded and engineering controls are not feasible, NIOSH approved dust respirators are recommended. • Skin Protection - Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. • Eye/Face Protection – Use safety goggles and/or full face shield where dusting or splashing of solutions is possible. |
| Work Hygiene Practices | Avoid direct skin contact when possible. Always wear appropriate protective equipment when dust handling operations. Do not eat, drink, smoke, or perform other hand-to-mouth activities in product use or handling area. Always wash hands and face after handling. |
| Section 9: Physical and Chemical Properties | |
| Appearance | Red Powder |
| Odor | Odorless |
| Molecular Weight | No information available |
| PH Value | 6.5 – 8.0 |
| Specific Gravity | 1.8 |
| Solubility | Insoluble 20° C. |
| Boiling Point | Not applicable. |
| Melting Point | 380-390° C |
| Vapour Pressure | Not applicable. |
| Hazardous air pollutants (HAP) | None |



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| Section 10: Stability and Reactivity | |
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| Stability | Stable under ordinary conditions of use and storage. |
| Hazardous Decomposition Products | When involved in a fire, burning organic pigments may evolve oxides of carbon and nitrogen or hydrogen chloride depending on the pigment type. |
| Hazardous Polymerization | Will not occur. |
| Incompatibilities | Strong oxidizing agents, acids, peroxides (expect in small quantities while curing) |
| Conditions to Avoid | Excessive heat and prolonged exposure to direct sunlight. Store in a cool place. |
| Materials to avoid | Not known |
| Section 11: Toxicological Information | |
| Acute oral toxicity | LD 50 oral, rat: > 2000 mg/kg. The product has not been tested. The information is derived from the properties of the individual components. |
| Inhalation | No quantitative information found. |
| Ingestion | No quantitative information found. |
| Skin | Non irritant effect. |
| Eye | Non irritant effect. |
| Carcinogenicity | No quantitative information found. |
| Section 12: Ecological Information | |
| Behavior and Environmental Fate | Being chemically inert and practically insoluble in water, organic pigments are not environmentally hazardous. They may be virtually removed from waste water mechanically in suitable effluent treatment plants. |
| Bioaccumulation in Aquatic Organisms | No information found. |
| Permissible Concentration in Water | No information found. |
| Section 13: Disposal Considerations | |
| General | This product must be disposed of (dump or incinerate) in accordance with applicable Federal State and local regulations. |
| Disposal Method of Substance/Preparation | Incineration and land filling are recommended disposal techniques. Contact the state or local environmental agency for specific rules. |
| Disposal Method of the Empty Containers | All residual material, contaminated empty containers must be recycled where possible. Where recycling is not possible, containers must be disposed of in accordance with Federal (country-specific), state, and local regulations. |
| Section 14: Transportation Information | |
| Land transport ADR/RID (cross-border) | ADR/RID Class: Not Restricted |
| Maritime transport IMDG/IMO | IMDG/IMO Class: Not Restricted |
| Air transport ICAO-TI and IATA-DGR | ICAO / IATA Class: Not Restricted |
| The product does not constitute a hazardous substance in national/international road, rail, sea and Air transport. | |



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| Section 15: Regulatory Information | |
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| Classification, packaging and labeling | The product does not require a hazard label in accordance with EC directives. |
| Heavy metal content | Organic pigments do not contain any lead, cadmium, chromium (VI), mercury compounds, etc in their formulations. However, each grade of pigment contains heavy metals in limits permissible in different countries. For details, please contact us and/or refer to our product Technical Data Sheet. Generally not hazardous for water. Assessment by list. |
| Other regulations: | All ingredients of the product are registered in EINECS or ELINCS |
| Section 16: OTHER INFORMATION | |
| 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. Savya International, shall not be held liable for any damage resulting from handling or from contact with the above product. | |

For, SAVYA INTERNATIONAL

Authorized Signatory