

| MATERIAL SAFETY DATA SHEET                                                                                                                                                                                                                                                                                                                       |                                          |                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------|
| PT. NACHINDO TAPE INDUSTRY                                                                                                                                                                                                                                                                                                                       |                                          |                                                               |
| Section I – PRODUCT AND COMPANY IDENTIFICATION                                                                                                                                                                                                                                                                                                   |                                          |                                                               |
| Product name : PVC Tape                                                                                                                                                                                                                                                                                                                          |                                          |                                                               |
| Manufacturer : PT. Nachindo Tape Industry                                                                                                                                                                                                                                                                                                        |                                          |                                                               |
| Head Office:                                                                                                                                                                                                                                                                                                                                     |                                          | Factory :                                                     |
| Jl. Bintoro 27, Surabaya, East Java, Indonesia                                                                                                                                                                                                                                                                                                   |                                          | Desa Betro, Kecamatan Sedati, Sidoarjo , East Java, Indonesia |
| Phone : +6231 - 5665500                                                                                                                                                                                                                                                                                                                          |                                          | Phone : +6231 - 8013333 / 8910285                             |
| Fax : +6231 - 5665900                                                                                                                                                                                                                                                                                                                            |                                          | Fax : +6231 - 8910295                                         |
| Jakarta Office:                                                                                                                                                                                                                                                                                                                                  |                                          | Semarang Office:                                              |
| Jl. Agung Timur X Blok N1/10, North Jakarta, Indonesia                                                                                                                                                                                                                                                                                           |                                          | Jl. Pattimura 5 Kav. 10 Semarang, Central Java, Indonesia     |
| Phone : +6221 - 6509046/47                                                                                                                                                                                                                                                                                                                       |                                          | Phone : +6224 - 3560740                                       |
| Fax : +6221 - 6511712                                                                                                                                                                                                                                                                                                                            |                                          | Fax : +6221 - 3555357                                         |
| Section II – COMPOSITION / INFORMATION INGREDIENT                                                                                                                                                                                                                                                                                                |                                          |                                                               |
| Chemical Name                                                                                                                                                                                                                                                                                                                                    | Propotion                                | MDL (ppm)                                                     |
| Rubber Adhesive                                                                                                                                                                                                                                                                                                                                  | 10 - 15 %                                | N/A                                                           |
| PVC Resin                                                                                                                                                                                                                                                                                                                                        | 45 - 60 %                                | N/A                                                           |
| Plasticizers                                                                                                                                                                                                                                                                                                                                     | 25 - 35 %                                | N/A                                                           |
| Pigments                                                                                                                                                                                                                                                                                                                                         | 0 - 5 %                                  | N/A                                                           |
| Section III – Hazard Identification                                                                                                                                                                                                                                                                                                              |                                          |                                                               |
| This product is not hazardous or injurious material. But prolonged contact of adhesive layer on the skin may cause rashes.                                                                                                                                                                                                                       |                                          |                                                               |
| Hazardous Components                                                                                                                                                                                                                                                                                                                             | Result                                   | MDL                                                           |
| Lead ( Pb)                                                                                                                                                                                                                                                                                                                                       | n.d                                      | 2                                                             |
| Cadmium (Cd)                                                                                                                                                                                                                                                                                                                                     | n.d                                      | 2                                                             |
| Mercury ( Hg)                                                                                                                                                                                                                                                                                                                                    | n.d                                      | 2                                                             |
| Chromium Hexavalent (CR VI)                                                                                                                                                                                                                                                                                                                      | n.d                                      | 2                                                             |
| Polybrominated Biphenyl (PBB)                                                                                                                                                                                                                                                                                                                    | n.d                                      | 5                                                             |
| Polybrominated Diphenyl Ether (PBDE)                                                                                                                                                                                                                                                                                                             | n.d                                      | 5                                                             |
| Note = n.d. : Not detected MDL : Method Detection Limit                                                                                                                                                                                                                                                                                          |                                          |                                                               |
| Section IV – First Aid Measures                                                                                                                                                                                                                                                                                                                  |                                          |                                                               |
| Eye Contact :                                                                                                                                                                                                                                                                                                                                    |                                          |                                                               |
| If wearing contact lenses, remove it at once. Immediately flush eyes with large quantities of water at least 15 minutes. Get medical attention if irritation persists.                                                                                                                                                                           |                                          |                                                               |
| Skin Contact :                                                                                                                                                                                                                                                                                                                                   |                                          |                                                               |
| Please remove slowly. Wash the place by clean water and soap. In case of rash or acne, please have a doctor's treatment.                                                                                                                                                                                                                         |                                          |                                                               |
| Inhalation :                                                                                                                                                                                                                                                                                                                                     |                                          |                                                               |
| Not Relevance (Because of solid form).                                                                                                                                                                                                                                                                                                           |                                          |                                                               |
| Ingestion :                                                                                                                                                                                                                                                                                                                                      |                                          |                                                               |
| After vomit, please have a doctor's treatment accordingly.                                                                                                                                                                                                                                                                                       |                                          |                                                               |
| Section V – Fire Fighting Measures                                                                                                                                                                                                                                                                                                               |                                          |                                                               |
| Fire Fighting :                                                                                                                                                                                                                                                                                                                                  |                                          |                                                               |
| Water spray is the preferred extinguishing medium. Use water spray to cool fire-exposed surfaces, protect personel, and extinguished the fire.                                                                                                                                                                                                   |                                          |                                                               |
| Fire Fighting Instruction :                                                                                                                                                                                                                                                                                                                      |                                          |                                                               |
| Respiratory and protections are required for fire fighting personels.                                                                                                                                                                                                                                                                            |                                          |                                                               |
| Extinguishing media :                                                                                                                                                                                                                                                                                                                            |                                          |                                                               |
| Water, foam, dry powder and carbon dioxide can be used.                                                                                                                                                                                                                                                                                          |                                          |                                                               |
| Special hazards :                                                                                                                                                                                                                                                                                                                                |                                          |                                                               |
| Any paper, film and adhesive can be forced to be burnt by continuous application of intense heat.                                                                                                                                                                                                                                                |                                          |                                                               |
| Section VI – Accidental Release Measured                                                                                                                                                                                                                                                                                                         |                                          |                                                               |
| Leakage : Not Identified                                                                                                                                                                                                                                                                                                                         |                                          |                                                               |
| Spill : Not Identified                                                                                                                                                                                                                                                                                                                           |                                          |                                                               |
| Section VII – Handling and Storage                                                                                                                                                                                                                                                                                                               |                                          |                                                               |
| Handling                                                                                                                                                                                                                                                                                                                                         |                                          |                                                               |
| Material will be sticky. Recommend to use light weight cloth or leather gloves for actual handling of material.                                                                                                                                                                                                                                  |                                          |                                                               |
| Storage                                                                                                                                                                                                                                                                                                                                          |                                          |                                                               |
| Store to a dry and well ventilated area. Keep away from flammable materials or sources of heat and flame. Keep in ambient temperature.                                                                                                                                                                                                           |                                          |                                                               |
| Section VIII – Exposure Controls / Personal Protection                                                                                                                                                                                                                                                                                           |                                          |                                                               |
| Exposure limit : N/A                                                                                                                                                                                                                                                                                                                             |                                          |                                                               |
| Engineering Measures : N/A                                                                                                                                                                                                                                                                                                                       |                                          |                                                               |
| Personal Protection : Has to be adjusted to working conditions                                                                                                                                                                                                                                                                                   |                                          |                                                               |
| Section IX – Physical / Chemical Data                                                                                                                                                                                                                                                                                                            |                                          |                                                               |
| Boiling Point : N/A                                                                                                                                                                                                                                                                                                                              | Specific Gravity : N/A                   |                                                               |
| Vapor Pressure : N/A                                                                                                                                                                                                                                                                                                                             | Melting Point : N/A                      |                                                               |
| Vapor Density : N/A                                                                                                                                                                                                                                                                                                                              | Appearance : Roll tape (adhesive layers) |                                                               |
| Flammable limit : N/A                                                                                                                                                                                                                                                                                                                            | Odour : odorless                         |                                                               |
| Solubility : N/A                                                                                                                                                                                                                                                                                                                                 |                                          |                                                               |
| Section X – Stability and Reactivity                                                                                                                                                                                                                                                                                                             |                                          |                                                               |
| Stable under recommend conditions of storage and handling. Not reactive under recommend conditions of storage, handling, and use.                                                                                                                                                                                                                |                                          |                                                               |
| Section XI – Toxicological Information                                                                                                                                                                                                                                                                                                           |                                          |                                                               |
| No Data                                                                                                                                                                                                                                                                                                                                          |                                          |                                                               |
| Section XII – Ecological Information                                                                                                                                                                                                                                                                                                             |                                          |                                                               |
| No Data                                                                                                                                                                                                                                                                                                                                          |                                          |                                                               |
| Section XIII – Disposal Consideration                                                                                                                                                                                                                                                                                                            |                                          |                                                               |
| Efforts to recycle material should be made. If under use recycle, material should be buried in approved landfill or incinerated in accordance all applicable federal, state and local regulations.                                                                                                                                               |                                          |                                                               |
| Section XIV – Transport Information                                                                                                                                                                                                                                                                                                              |                                          |                                                               |
| Not Regulated ( Not Dangerous for Transport)                                                                                                                                                                                                                                                                                                     |                                          |                                                               |
| Section XV – Regulatory Information                                                                                                                                                                                                                                                                                                              |                                          |                                                               |
| Regulation : None                                                                                                                                                                                                                                                                                                                                |                                          |                                                               |
| Symbol : No marking necessary                                                                                                                                                                                                                                                                                                                    |                                          |                                                               |
| Section XVI – Other Information                                                                                                                                                                                                                                                                                                                  |                                          |                                                               |
| To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained. All the materials may present unknown hazard and should be use with caution. Users are liable for compliance with the legislation and regulations. |                                          |                                                               |