206310 206321

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be .... consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration (Non-Mandatory Form)

Form Approved

OMB No. 1218-0072

| IDENTITY (As Used on Label and List) Kasenit_Surface Hardening ( | Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that. |                                       |                                   |                             |   |  |  |  |
|--|---|---------------------------------------|-----------------------------------|-----------------------------|---|--|--|--|
| Section I  | .1&No.2   |                                       |                                   |                             | *                                       |  |  |  |
| Manufacturer's Name  |   | Emergency Telepho                     | ne Number                         | ·                           |   |  |  |  |
| Kasenit Co. Inc.   |   | <del></del>                           | <u>9</u> 28 <u>-</u> 959 <u>5</u> |                             |   |  |  |  |
| Address (Number. Street, City, State. and ZIP Code) 13 Park Ave  | Telephone Number (9,14) - 928   | Information<br>−9595                  |                                   |                             |   |  |  |  |
| Highland Mills, N.Y. 10930                                       |   | Date Prenared<br>1990                 |                                   |                             |   |  |  |  |
|  |   | Signature of Prepare                  | er (optional)                     |                             |   |  |  |  |
| Section II — Hazardous Ingredients/Iden                          | tity Information  | )                                     |                                   |                             |   |  |  |  |
| Hazardous Components (Specific Chemical Identity; (              | Common Name(s))   | OSHA PEL                              | ACGIH TLV                         | Other Limits<br>Recommended | % (optional)                            |  |  |  |
| Sodium Ferrocyanide-Yello  | ow Prussia  | te of Soda                            | (CAS# 1360                        | 1-19-9)                     |   |  |  |  |
| Na4 Fe(CN)6  |   |                                       | NA                                |                             |   |  |  |  |
|  | •   |                                       |                                   |                             |   |  |  |  |
|  |   |                                       |                                   |                             |   |  |  |  |
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|  |   |                                       |                                   |                             |   |  |  |  |
|  |   |                                       |                                   |                             |   |  |  |  |
| Section III — Physical/Chemical Characti                         | eristics  | · · · · · · · · · · · · · · · · · · · |                                   |                             |   |  |  |  |
| Boiling Point  |   | Specific Gravity (H <sub>2</sub> 6    | 0 = 1)                            |                             | T                                       |  |  |  |
|  | NA  | ) opening Gramy (1.12                 | ·                                 |                             | 1.85                                    |  |  |  |
| Vapor Pressure (mm Hg.)  | NA  | Melting Point                         | Melting Point 1650° For           |                             |   |  |  |  |
| Vapor Density (AIR = 1)  | NA  | Evaporation Rate                      |                                   |                             | NA                                      |  |  |  |
| Solubility in Water  |   | (Butyl Acetate = 1)                   |                                   |                             |   |  |  |  |
| 27.8% at 12°C 90°  | % at 100°C  |                                       |                                   | _                           |   |  |  |  |
| Appearance and Odor  |   | <del></del>                           |                                   |                             |   |  |  |  |
| Grey Powder-   | No Odor   | -,·                                   | <del></del>                       |                             |   |  |  |  |
| Section IV — Fire and Explosion Hazard                           | Data  |                                       | <u> </u>                          |                             |   |  |  |  |
| Flash Point (Method Used)  | ,   | Flammable Limits                      |                                   | LEL                         | UEL                                     |  |  |  |
| Extinguishing Media Non Flammable                                |   | <u> </u>                              |                                   | <u> </u>                    |   |  |  |  |
| Special Fire Fighting Procedures                                 |   |                                       |                                   |                             | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |  |  |  |
| Non Explosive  |   |                                       |                                   |                             |   |  |  |  |
| Unusual Fire and Explosion Hazards                               |   |                                       |                                   |                             |   |  |  |  |
|  | <u> </u>  |                                       |                                   |                             |   |  |  |  |

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| in solution in strong sunlight    Capable   Ca | Section V —               | Reactivity Deta       |          |                     | _  |             |             |      |             |             |             |           |      |             |
|--|---------------------------|-----------------------|----------|---------------------|--|-------------|-------------|------|-------------|-------------|-------------|-----------|------|-------------|
| when stored in original container and dry  Incompatibility (Materials to Aveoly)  Acids and strong Alkalis  Co and HCN  Mazardous Decomposition or Byproducts  Co and HCN  Mazardous Decomposition or Byproducts  Co and HCN  Mazardous Decomposition or Byproducts  Co and HCN  Soction VI — Health Hazard Data  Nouses, of Erry: Included or Society  No hazard in original form and in container  By definition normal usage will create fume trace of CO and HCN  Carcheogenicity. NITP? IARC Monographs? OSHA Regulated?  No information available  Signs and Symptoms of Exposure  Possible slight short-term irritation of skin and mucous membranes  Medical Concisions  Medical Concisions  Possible slight short-term irritation of skin and mucous membranes  Medical Concisions  No information available  Experiency and First Aid Procedures  EXES: Flush with water  Skin: Wash with water  Section VII — Precautions for Sefe Hendiling and Use  Stops to Be Taken in Case Mazered to Released or Spited  With spillage: Avoid Breathing dust and return to container  Weste Disposal Method  Collect in original or other dry container and dispose with normal refus  Procusions to Be Taken in Hending and Storing  Store in original container in dry conditions  Other Procusions  Use in well ventilated area in order to dilute fumes evolved on pyrolisi  Section VIII — Control Measuree  Not necessary  Ventision  Local Edusum  Not necessary  Ventision  No Bye Protector Corner or Equipment No  Other Processor (General Proc  | Stability<br>As a soli    | đ                     |          | Conditions to Avoid | in   | solu        | ion i       | in s | trong       | sun         | ligh        | t.        |      | _           |
| Acids and strong Alkalis   | tablewhe                  | Stable                |          |                     |  |             |             |      |             |             |             |           | and  | dry         |
| Mass Occur   |                           |                       |          |                     |  | <del></del> |             |      |             |             |             |           |      |             |
| Marcolous   May Occur   Conditions to Avoid  | Hazardous Decor           | noceition or Byoroduc | ±2       | <del></del>         | Aci  | ds ar       | nd sti      | rong | Alkal       | is          | -           |           |      |             |
| Section VI   |                           |                       |          |                     | Co   | and I       | ICN         |      |             |             |             |           |      |             |
| Section VI — Health Hazzard Data  Rouse(s) of Erroy: Invalation? Sien? Ingestion?  Health Hazzard (Acuts and Chrone) No hazard in original form and in container  By definition normal usage will create fume trace of CO and HCN  Carcinogenichy: NTP? WAC Monographs? OSHA Regulated?  No information available  Signs and Symptoms of Exposure  Possible slight short-term irritation of skin and mucous membranes  Medical Consistore  Generally Aggranted by Exposure  No information available  Emergency and First Add Procedures  Eyes: Flush with water  Skin: Wash with water  Skin: Wash with water  Section VII — Procedures Eyes: Flush with water  Steps to 8e Taken in Case Mazerie to Released or Spated  With spillage: Avoid Breathing dust and return to container  Weste Disposed Method  Collect in original or other dry container and dispose with normal refus  Procedures to 8e Taken in Hending and Storing  Store in original container in dry conditions  Other Procedures  Use in well ventilated area in order to dilute fumes evolved on pyrolisi  Section VIII — Control Measures  Respiratory Protection (Spoody Type)  Not necessary  Versition  Local Exhaust  Not necessary  Versition  No Eye Protection Normal Safety  Other Good shop ventilation  No Control Procedures  No Control Protective Clothing or Endporment No   |                           | Mary Occur            |          | Conditions to Avoid |  |             |             |      |             |             |             |           |      |             |
| No information available   |                           | Will Not Occur        |          |                     |  |             |             |      |             |             |             |           |      |             |
| Heatin Hazards (Actum and Chronic) No hazard in original form and in container By definition normal usage will create fume trace of CO and HCN  Carchogonichy: NTP? LARC Monographs? OSHA Regulated?  No information available  Signs and Symptoms of Exposure  Possible slight short-term irritation of skin and mucous membranes  Medical Conditions  No information available  Emergency and Frost Add Procedures  EYES: Flush with water  Skin: Wash with water  Section VII — Procedurions for Safe Handling and Use  Stops to 8s Taken in Case Mazards is Released of Safeta  With spillage: Avoid Breathing dust and return to container  Waste Disposal Method  Collect in original or other dry container and dispose with normal refus  Procedures to 8s Taken in Handling and Storing  Store in original container in dry conditions  Other Precausons  Use in well ventilated area in order to dilute fumes evolved on pyrolisi  Section VIII — Control Measures  Respiratory Protection (Special Type)  Not necessary  Vernision  Local Exhaust  Not necessary  Vernision  Not necessary  Mechanical (General)  Yes  Protective Gloves  No Cher Protective Clothing or Equipment No   | Section Vi -              | Health Hazard         | Data     |                     |  |             |             |      |             |             | <del></del> |           |      |             |
| No hazard in original form and in container  By definition normal usage will create fume trace of CO and HCN  Carcinogenicity: NTP? UAPC Monographs? OSHA Regulated?  No information available  Signs and Symptoms of Exposure  Possible slight short-term irritation of skin and mucous membranes  Medical Considers  Generath Aggresside by Exposure  No information available  Emergency and Free Add Procedures  EYES: Flush with water  Skin: Wash with water  Skin: Wash with water  Scotion VII — Precautions for Safe Handling and Use  Stops to 8s Taken in Case Mazards is Reference of Softed  With spillage: Avoid Breathing dust and return to container  Waste Disposal Method  Collect in original or other dry container and dispose with normal refus  Precausions to 8s Taken in Handling and Storing  Store in original container in dry conditions  Other Precausors  Use in well ventilated area in order to dilute fumes evolved on pyrolisi  Section VIII — Control Measures  Respiratory Protection (Specify Type)  Not necessary  Vernistion  Local Exhaust  Not necessary  Vernistion  Not necessary  Mechanical (General)  Yes  Protective Gloves  No Eye Protection  Normal Safety  Other Protection Colling of Equipment No   | Route(s) of Entry:        | Inhat                 | etion?   |                     | Si   | in?         |             |      |             | Inges       | ion?        |           |      |             |
| No information available  Signs and Symptoms of Exposure  Possible slight short-term irritation of skin and mucous membranes  Medical Conditions  Generally Approximated by Exposure  No information available  Emergency and First Aid Procedures  EYES: Flush with water  Skin: Wash with water  Skin: Wash with water  Section VII — Procautions to Refer Handling and Use  Staps to Se Takan in Case Mesterial is Released or Softed  With spillage: Avoid Breathing dust and return to container  Waste Deposed Method  Collect in original or other dry container and dispose with normal refus  Procautions to Se Takan in Handling and Storing  Store in original container in dry conditions  Other Procautions  Use in well ventilated area in order to dilute fumes evolved on pyrolisi  Section VIII — Control Messures  Respiratory Protection (Spocity Type)  Not necessary  Ventiation  Local Exhaust Not necessary  Mechanical (General)  Yes  Other Protective Cictions or Equipment  Citions or Equipment  Other Protective Cictions or Equipment  |                           |                       | lgir     | al form and         | in   | conta       | ainer       |      |             |             | ·           |           |      |             |
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| Maddisci Conditions  No information available  Emergency and First Aid Procedures  EYES: Flush with water  Skin: Wash with water  Section VII — Precautions for Sefe Handling and Use  Steps to Ge Taken in Case Material is Released or Spited  With spillage: Avoid Breathing dust and return to container  Waste Cisposal Method. Collect in original or other dry container and dispose with normal refus  Precautions to Ge Taken in Handling and Storing  Store in original container in dry conditions  Other Precautions  Use in well ventilated area in order to dilute fumes evolved on pyrolisi  Section VIII — Control Measures  Respiratory Protection (Specify Type)  Not necessary  Ventiation  Local Exhaust Not necessary  Mechanical (General) Yes  No  Eye Protection Normal Safety  Other Protective Clothing or Equipment No  |                           |                       | avai     | lable               | -  |             |             |      |             |             |             |           |      |             |
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| Skin: Wash with water  Section VII — Precautions for Safe Handling and Use  Steps to Be Taken in Case Material is Released or Spitted With spillage: Avoid Breathing dust and return to container  Waste Disposal Method. Collect in original or other dry container and dispose with normal refus  Precautions to Be Taken in Handling and Storing  Store in original container in dry conditions  Other Precautions  Use in well ventilated area in order to dilute fumes evolved on pyrolisi  Section VIII — Control Measures  Respiratory Protection (Specify Type) Not necessary  Ventilation  Local Exhaust Not necessary  Mechanical (General) Yes  Protective Gioves  No  Eye Protection Normal Safety  Other Protective Cithing or Equipment No   |                           | Siret Aid Dennedures  |          | <del></del>         | <u>.                                    </u> | <b>.</b>    | <del></del> |      |             |             |             |           |      |             |
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| Waste Disposal Method Collect in original or other dry container and dispose with normal refus  Precautions to Be Taken in Handling and Storing  Store in original container in dry conditions  Other Precautions  Use in well ventilated area in order to dilute fumes evolved on pyrolisi  Section VIII — Control Measures  Respiratory Protection (Specify Type) Not necessary  Ventilation  Local Exhaust Not necessary  Mechanical (General) Yes  Protective Gloves No  Special No  |                           |                       | _        |                     | 30   |             |             |      | ·           |             |             |           |      |             |
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| Use in well ventilated area in order to dilute fumes evolved on pyrolisi  Section VIII — Control Measures  Respiratory Protection (Specify Type)  Not necessary  Ventilation  Local Exhaust Not necessary  Mechanical (General) Yes  Protective Gloves  No  Eye Protection Normal Safety  Other Protective Clothing or Equipment No  | Precautions to Be         | Taken in Hendling     | and St   | oring               | -  | . ==        |             |      |             |             |             |           |      |             |
| Use in well ventilated area in order to dilute fumes evolved on pyrolisi  Section VIII — Control Measures  Respiratory Protection (Specify Type)  Not necessary  Ventilation  Local Exhaust Not necessary  Mechanical (General) Yes  Protective Gloves  No  Eye Protection Normal Safety  Other Protective Clothing or Equipment No  | Store                     | in origina            | al c     | ontainer in         | drv  | con         | ditio       | ns   | <del></del> |             |             |           |      |             |
| Respiratory Protection (Specify Type)   Not necessary  |                           |                       |          |                     |  |             |             |      |             |             | <u></u>     |           |      |             |
| Not necessary  | Use i                     | n well ven            | tila     | ited area in        | ord  | er t        | o dil       | ute  | fumes       | ev          | olved       | on        | pyro | lisi        |
| Ventilation Local Exhaust Not necessary  Mechanical (General) Yes Other Good shop ventilation  Protective Gloves No Eye Protection Normal Safety  Other Protective Clothing or Equipment   | Section VIII -            | - Control Meas        | ures     |                     |  |             |             |      |             |             |             |           |      |             |
| Ventilation Local Exhaust Not necessary  Mechanical (General) Yes Other Good shop ventilation  Protective Gloves No Eye Protection Normal Safety  Other Protective Clothing or Equipment No  | Respiratory Prote         | ction (Specify Type)  | Not      | necessary           |  |             |             |      |             | <del></del> |             |           |      |             |
| Mechanical (General) Yes  Protective Gloves No  Eye Protection Normal Safety  Other Protective Clothing or Equipment   | Ventilation               | Local Exhaust         |          |                     |  |             | Special     |      |             |             |             |           |      |             |
| Protective Gloves No Eye Protection Normal Safety Other Protective Clothing or Equipment   |                           | Mechanical (General   | 1        |                     |  |             | Other       | Go   | ood sh      | op '        | venti       | lati      | on   | <del></del> |
| Other Protective Clothing or Equipment No  | Protective Gloves         | <u> </u>              |          | )                   | <del></del>                                  | Eye Pr      | otection    |      |             |             |             |           |      | <del></del> |
|  | Other Protective          | Clothing or Equipmen  | <b>X</b> |                     |  | ·           |             |      |             |             |             |           | -    |             |
|  | Work/Hygienic Pi          | actices               |          |                     |  |             |             |      | <del></del> |             |             |           |      |             |