# SAFETY DATA SHEET



## Section 1. Identification

| Product identifier    | BAYFERROX 6940 PIGMENT   |  |
|-----------------------|--|--|
| Material Number       | : 06233341   |  |
| Chemical family       | Inorganic Metal oxide.   |  |
| Identified uses       | Inorganic pigment  |  |
| Supplier/Manufacturer | : LANXESS Corporation<br>Product Safety & Regulatory Affairs<br>111 RIDC Park West Drive<br>Pittsburgh, PA 15275-1112<br>USA   |  |
| In case of emergency  | For information: US/Canada (800) LAN<br>International +1 412 809 1000<br>: Chemtrec (800) 424-9300<br>International (703) 527-3887<br>Lanxess Emergency Phone (800) 410- |  |

# Section 2. Hazards identification

| HAZCOM Standard Status   | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).   |
|--|---|
| Physical state   | : Powder.   |
| Color  | : Brown.  |
| Classification of the substance or mixture                                   | <ul> <li>SKIN CORROSION/IRRITATION - Category 2</li> <li>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A</li> <li>CARCINOGENICITY - Category 1A</li> <li>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3</li> </ul>   |
| Hazard pictograms  |   |
| Signal word  | : Danger  |
| Hazard statements  | <ul> <li>Causes serious eye irritation. Causes skin irritation. May cause cancer. May cause<br/>respiratory irritation.</li> </ul>  |
| Hazard Not Otherwise<br>Classified (HNOC)<br><u>Precautionary statements</u> | : None known.   |
| Prevention   | Obtain special instructions before use. Do not handle until all safety precautions have<br>been read and understood. Use personal protective equipment as required. Wear<br>protective gloves and eye/face protection. Use only in a well-ventilated area. Avoid<br>breathing dust. Wash hands thoroughly after handling.   |
| Response   | : Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention.<br>IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for<br>breathing. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated<br>clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical<br>attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact<br>lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical<br>attention. |
| Storage  | : Store locked up.  |
| BAYFERROX 6940 PIGMENT   | 06233341 Version 1 <b>1/</b> 9  |
|  |   |

# Section 2. Hazards identification

| Casting 2 Carry                | nacition/information on ingradianta  |
|--------------------------------|--|
| Supplemental label<br>elements | : Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. |
| Disposal                       | <ul> <li>Dispose of contents and container in accordance with all local, regional, national and<br/>international regulations.</li> </ul>                  |
|                                |  |

### Section 3. Composition/information on ingredients

| Substance/mixture                              | : Mixture |                      |                         |
|--|-----------|----------------------|-------------------------|
| Ingredient name                                |           | %                    | CAS number              |
| calcium carbonate<br>Crystalline Quartz Silica |           | 45 - 51%<br>0.1 - 1% | 1317-65-3<br>14808-60-7 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

| Description of first aid meas | ure       | <u>s</u>   |                   |
|-------------------------------|-----------|--|-------------------|
| Eye contact                   | 5         | Check for and remove any contact lenses. Get medical attention. In case of contact, flush eyes with plenty of water for at least 20 minutes. Use fingers to ensure that eyelids are separated and that the eye is being irrigated.   |                   |
| Inhalation                    | :         | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Comedical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, bely waistband. If not breathing, if breathing is irregulor or respiratory arrest occurs, provide artifical respiration, or oxygen by a trained professional, using a pocket type respirator.  | on<br>t or<br>ide |
| Skin contact                  | :         | Flush contaminated skin with plenty of water. Remove contaminated clothing and sh Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse. In case of contact, flush skin with plenty of water for at least 20 minutes.   | oes.              |
| Ingestion                     | :         | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept I so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such a collar, tie, belt or waistband. | s<br>low<br>⁄     |
| Potential acute health effec  | <u>ts</u> |  |                   |
| Eye contact                   | ŝ         | Causes serious eye irritation.   |                   |
| Inhalation                    | :         | May cause respiratory irritation. Exposure to Silica, Quartz can cause a very serious lung disease called Silicosis with cough, shortness of breath, and changes in chest x ray.   |                   |
| Skin contact                  | Ĭ         | Causes skin irritation.  |                   |
| Ingestion                     | 1         | No known significant effects or critical hazards.  |                   |
| Over-exposure signs/symp      | tom       | I <u>S</u>   |                   |
| Eye contact                   | 8         | Causes irritation with symptoms of reddening, tearing, stinging, and swelling.   |                   |
| Inhalation                    | 1         | The symptoms of silicosis may include: Shortness of breath, coughing, wheezing, fatigue, chest pain, loss of appetite and fever.<br>May cause respiratory tract irritation with symptoms of coughing, sore throat and run nose.  | iny               |
| Skin contact                  | ŝ         | Causes irritation with symptoms of reddening, itching, and swelling.   |                   |
| BAYFERROX 6940 PIGMENT        |           | 06233341 Version 1   | 2/9               |

### Section 4. First aid measures

Ingestion

: No specific data.

#### Potential chronic health effects

Long-term exposure to high concentrations of dust containing iron oxide can cause a benign condition termed "pulmonary siderosis". This condition is not associated with any physical impairment of lung function. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Excessive exposure to airborne crystalline silica can cause fibrotic lung damage, with scarring of the lungs with cough and shortness of breath. This is called "Silicosis". This is generally a slowly developing fibrotic disease as symptoms are usually delayed for 10 years or more. Symptoms are dyspnea, chest pain, breathlessness, and cough. The chronic lung scarring developed from the silica dust causes a progressive massive fibrosis. This may lead to increased susceptibility to tuberculosis. Suspected of causing cancer.

- **Notes to physician** : Treat symptomatically. No specific treatment.
- Protection of first-aiders : No special measures required.

See toxicological information (Section 11)

### Section 5. Fire-fighting measures

| Extinguishing media                               |   |   |
|---|---|---|
| Suitable extinguishing media                      | : | Use an extinguishing agent suitable for the surrounding fire. In case of fire, use water spray (fog), foam or dry chemical.   |
| Unsuitable extinguishing media                    | : | None known.   |
| Specific hazards arising<br>from the chemical     | 8 | No specific fire or explosion hazard.   |
| Hazardous thermal<br>decomposition products       | : | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>metal oxide/oxides  |
| Special protective actions for fire-fighters      | : | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| Special protective<br>equipment for fire-fighters | 1 | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                         |

### Section 6. Accidental release measures

| Personal precautions,<br>protective equipment and<br>emergency procedures | : No action shall be taken involving any personal risk or without suitable training.<br>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from<br>entering. Do not touch or walk through spilled material. Avoid breathing dust. Provide<br>adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on<br>appropriate personal protective equipment.  |
|---|--|
| Environmental precautions   | <ul> <li>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains<br/>and sewers. Inform the relevant authorities if the product has caused environmental<br/>pollution (sewers, waterways, soil or air).</li> </ul>  |
| Methods and materials for containment and cleaning up                     | : Move containers from spill area. Approach release from upwind. Avoid dust generation.<br>Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a<br>closed, labeled waste container. Avoid creating dusty conditions and prevent wind<br>dispersal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for<br>emergency contact information and Section 13 for waste disposal. Prevent entry into<br>sewers, water courses, basements or confined areas. |

# Section 7. Handling and storage

| Precautions for safe handling |   |   |
|-------------------------------|---|---|
| Protective measures           | : | Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing dust. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protection equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. |
| Conditions for safe storage   | - | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Empty containers retain product residue and can be hazardous. Do not reuse container.  |

### Section 8. Exposure controls/personal protection

#### **Occupational exposure limits**

| Ingredient name           | Exposure limits                                     |
|---------------------------|---|
| calcium carbonate         | OSHA PEL (United States, 2/2013).                   |
|                           | TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable  |
|                           | fraction  |
|                           | TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust |
| Crystalline Quartz Silica | OSHA PEL Z3 (United States, 2/2013).                |
|                           | TWA: 250 MPPCF / (%SiO2+5) 8 hours.                 |
|                           | Form: Respirable                                    |
|                           | TWA: 10 MG/M3 / (%SiO2+2) 8 hours. Form:            |
|                           | Respirable  |
|                           | ACGIH TLV (United States, 4/2014).                  |
|                           | TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form:         |
|                           | Respirable fraction                                 |

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

| Appropriate engineering<br>controls | : | Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor<br>or mist, use process enclosures, local exhaust ventilation or other engineering controls<br>to keep worker exposure to airborne contaminants below any recommended or statutory<br>limits.   |
|-------------------------------------|---|---|
| Personal protection                 |   |   |
| Hygiene measures                    | : | Wash hands, forearms and face thoroughly after handling chemical products, before<br>eating, smoking and using the lavatory and at the end of the working period. Appropriate<br>techniques should be used to remove potentially contaminated clothing. Wash<br>contaminated clothing before reusing. Ensure that eyewash stations and safety showers<br>are close to the workstation location. |
| Respiratory protection              | ž | The following respirator is recommended if airborne concentrations exceed the appropriate standard/guideline. NIOSH approved, air-purifying particulate respirator with N-95 filters.   |
| Skin protection                     | 1 | Permeation resistant clothing and foot protection. Permeation resistant gloves.   |
| Eye/face protection                 | ł | Protective goggles with side shield or tightly fitting protective goggles   |
| Medical Surveillance                |   | Not available.  |
| BAYFERROX 6940 PIGMENT              |   | 06233341 Version 1 4/9  |

# Section 9. Physical and chemical properties

| Physical state                             | 1 | Solid. [Powder.]                                 |
|--|---|--|
| Color                                      | : | Brown.   |
| Odor                                       | : | Odorless.  |
| Odor threshold                             | : | Not available.                                   |
| рН   | 1 | 4 to 8 [Conc. (% w/w): 5%]                       |
| Boiling point                              | : | Not available.                                   |
| Melting point                              | 1 | >1000°C (>1832°F)                                |
| Flash point                                | : | Not available.                                   |
| Evaporation rate                           | : | Not available.                                   |
| Explosion limits                           | 1 | Not available.                                   |
| Vapor pressure                             | : | Not available.                                   |
| Specific gravity (Relative<br>density)     |   | 4 to 5   |
| Bulk density                               | : | 300 to 1000 kg/m³                                |
| Solubility                                 | : | Insoluble in the following materials: cold water |
| Partition coefficient: n-<br>octanol/water |   | Not available.                                   |
| Vapor density                              | : | Not available.                                   |
| Viscosity                                  | : | Not available.                                   |
| Auto-ignition temperature                  | : | Not available.                                   |
| Decomposition temperature                  | : | Not available.                                   |
|  |   |  |

# Section 10. Stability and reactivity

| 2 | No specific test data related to reactivity available for this product or its ingredients.<br>The product is stable. |
|---|--|
| 1 | Under normal conditions of storage and use, hazardous reactions will not occur.                                      |
| 5 | No specific data.  |
| ł | acids, ammonium salts, fluorine, mercury, hydrogen   |
| ł | Under normal conditions of storage and use, hazardous decomposition products should not be produced.                 |
|   | •  |

# Section 11. Toxicological information

|  |    | -   |
|--|----|---|
| Information on the likely routes of exposure | Â  | Dermal contact. Eye contact. Inhalation. Ingestion.   |
| Potential acute health effects               |    |   |
| Eye contact                                  | 1  | Causes serious eye irritation.  |
| Inhalation                                   | :  | May cause respiratory irritation. Exposure to Silica, Quartz can cause a very serious lung disease called Silicosis with cough, shortness of breath, and changes in chest x-ray.  |
| Skin contact                                 | ÷  | Causes skin irritation.   |
| Ingestion                                    | ŝ  | No known significant effects or critical hazards.   |
| Symptoms related to the phy                  | si | cal, chemical and toxicological characteristics   |
| Eye contact                                  | 1  | Causes irritation with symptoms of reddening, tearing, stinging, and swelling.  |
| Inhalation                                   | 2  | The symptoms of silicosis may include: Shortness of breath, coughing, wheezing, fatigue, chest pain, loss of appetite and fever.<br>May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose. |
| Skin contact                                 | 1  | Causes irritation with symptoms of reddening, itching, and swelling.  |
| Ingestion                                    | 2  | No specific data.   |

06233341

# Section 11. Toxicological information

| Potential chronic health effect | <u>:ts</u> |  |
|---------------------------------|------------|--|
| Short term exposure             |            |  |
| Potential immediate             | ÷          | Not available.   |
| effects                         |            |  |
| Long term exposure              |            |  |
| Potential delayed effects       | ł          | Not available.   |
| General                         |            | Long-term exposure to high concentrations of dust containing iron oxide can cause a benign condition termed "pulmonary siderosis". This condition is not associated with any physical impairment of lung function. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Excessive exposure to airborne crystalline silica can cause fibrotic lung damage, with scarring of the lungs with cough and shortness of breath. This is called "Silicosis". This is generally a slowly developing fibrotic disease as symptoms are usually delayed for 10 years or more. Symptoms are dyspnea, chest pain, breathlessness, and cough. The chronic lung scarring developed from the silica dust causes a progressive massive fibrosis. This may lead to increased susceptibility to tuberculosis. Suspected of causing cancer. |
| Carcinogenicity                 |            | May cause cancer. Risk of cancer depends on duration and level of exposure.  |
| Mutagenicity                    | :          | No known significant effects or critical hazards.  |
| Teratogenicity                  | ł          | No known significant effects or critical hazards.  |
| <b>Developmental effects</b>    |            | No known significant effects or critical hazards.  |
| Fertility effects               |            | No known significant effects or critical hazards.  |
| Information on toxicological    | eff        | ects   |
| A successful taxe               |            |  |

#### Acute toxicity

| Product/ingredient name | Result    | Species | Dose       | Exposure | Test |
|-------------------------|-----------|---------|------------|----------|------|
| calcium carbonate       | LD50 Oral | Rat     | 6450 mg/kg | -        | -    |

#### Irritation/Corrosion

| Conclusion/Summary |   |                                     |
|--------------------|---|-------------------------------------|
| Skin               |   | calcium carbonate:Moderate irritant |
| Eyes               | 8 | calcium carbonate:Severe irritant   |

#### **Mutagenicity**

| Product/ingredient name   | Test                               | Experiment                                 | Result   |
|---------------------------|------------------------------------|--|----------|
| Crystalline Quartz Silica | Sister chromatid<br>exchange assay | Experiment: In vivo                        | Negative |
|                           |                                    | Subject: Mammalian-Animal<br>Cell: Somatic |          |

**Conclusion/Summary** : Crystalline Quartz Silica:No mutagenic effect.

#### **Carcinogenicity**

| Product/ingredient name                        | CAS #                   | IARC   | NTP                        | OSHA                               |
|--|-------------------------|--|----------------------------|------------------------------------|
| calcium carbonate<br>Crystalline Quartz Silica | 1317-65-3<br>14808-60-7 | Not classified.<br>1 Carcinogenic<br>to humans | Not classified.<br>Proven. | Not classified.<br>Not classified. |

### Specific target organ toxicity (single exposure)

| Name                      |            | Route of exposure | Target organs                   |
|---------------------------|------------|-------------------|---------------------------------|
| calcium carbonate         | Category 3 |                   | Respiratory tract irritation    |
| Crystalline Quartz Silica | Category 3 | Not applicable.   | Respiratory tract<br>irritation |

# Section 11. Toxicological information

Acute toxicity estimates

#### Route

Not available.

ATE value (Acute Toxicity Estimates)

# Section 12. Ecological information

| Product/ingredient name  | Test             | Result   | Species  | Exposure                                     |
|--|------------------|--|--|--|
| calcium carbonate  |                  | Acute EC50 >200 mg/l<br>Acute EC50 >1000 mg/l<br>Acute LC50 >10000 mg/l<br>Acute LC50 56000 mg/l | Algae<br>Daphnia<br>Fish<br>Fish - Gambusia<br>affinis | 72 hours<br>48 hours<br>96 hours<br>48 hours |
| Conclusion/Summary   | : Not available. |  |  |  |
| Persistence and degradabili  | ity              |  |  |  |
| Conclusion/Summary<br><u>Bioaccumulative potential</u><br>Not available. | : Not available. |  |  |  |
| Mobility in soil   |                  |  |  |  |
| Soil/water partition coefficient (Koc)                                   | : Not available. |  |  |  |
| Other adverse effects  | : No known signi | ficant effects or critical hazards.  |  |  |

| Disposal methods    | : The generation of waste should be avoided or minimized wherever possible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Waste disposal should be in accordance with existing federal state, provincial and or local environmental controls laws. |
|---------------------|--|
| RCRA classification | : If discarded in its purchased form, this product would not be a hazardous waste either<br>by listing or by characteristic. However, under RCRA, it is the responsibility of the<br>product user to determine at the time of disposal, whether a material containing the<br>product or derived from the product should be classified as a hazardous waste. (40<br>CFR 261.20-24)  |

# Section 14. Transport information

| Regulatory<br>information | UN number | Proper shipping name | Classes | PG* | Label | Additional information |
|---------------------------|-----------|----------------------|---------|-----|-------|------------------------|
| DOT Classification        | -         | -                    | -       | -   |       | Not regulated.         |
| IMDG Class                | -         | -                    | -       | -   |       | Not regulated.         |
| IATA-DGR Class            | -         | -                    | -       | -   |       | Not regulated.         |

PG\* : Packing group

RQ

🚦 0 lbs

## Section 15. Regulatory information

| SARA 311/312  |     | nmediate (acute) health hazard<br>elayed (chronic) health hazard |
|---|-----|--|
| SARA Title III Section 302<br>Extremely Hazardous<br>Substances | : N | one  |
| SARA Title III Section 313<br>Toxic Chemicals                   | : N | one  |
| US EPA CERCLA<br>Hazardous Subtances (40<br>CFR 302)            | : N | one  |
| State regulations   |     |  |

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections on the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropraite agency in your state.

| Ingredient name  | CAS number   | State Code   | <u>Concentration</u><br>(%)                 |
|--|--|--|---|
| calcium carbonate<br>Iron (III) Oxide<br>Crystalline Quartz Silica<br>C.I. Pigment Yellow 42   | 1317-65-3<br>1309-37-1<br>14808-60-7<br>51274-00-1 | MA - S, NJ - HS, PA - RTK HS<br>MA - S, NJ - HS, PA - RTK HS<br>NJ - HS, PA - RTK HS | 45 - 51%<br>5 - 10%<br>0.1 - 1%<br>44 - 50% |
| Massachusetts Substances: MA - S<br>Massachusetts Extraordinary Hazardous<br>New Jersey Hazardous Substances: NJ<br>Pennsylvania RTK Hazardous Substanc<br>Pennsylvania Special Hazardous Substa | - HS<br>es:  PA - RTK HS                           |  |   |

#### California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

Potential exposure to some or all of the California Proposition 65 chemicals in this product have been determined to be below the No Significant Risk Level (NSRL)

| Ingredient name           | CAS #           | <b>Concentration (%)</b> | <b>Cancer</b> | <b>Reproductive</b> |
|---------------------------|-----------------|--------------------------|---------------|---------------------|
| Crystalline Quartz Silica | 14808-60-7      | 0.1 - 1%                 | Yes           |                     |
| U.S. Toxic Substances     | : Listed on the | e TSCA Inventory.        |               |                     |

Control Act

### Section 16. Other information

-



0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme \*=Chronic

The customer is responsible for determining the PPE code for this material. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

**National Fire Protection** Association (U.S.A.)

### Section 16. Other information



0= Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

LANXESS' method of hazard communication is comprised of Product Labels and Safety Data Sheets. HMIS and NFPA ratings are provided by LANXESS as a customer service.

Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

| Date of issue          | 8 | 01-08-2015                            |
|------------------------|---|---------------------------------------|
| Date of previous issue |   | No previous validation                |
| Version                |   | 1                                     |
|                        |   | Product Safety and Regulatory Affairs |

Indicates information that has changed from previously issued version.

#### Notice to reader

This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of LANXESS Corporation. The information in this SDS relates only to the specific material designated herein. LANXESS Corporation assumes no legal responsibility for use of or reliance upon the information in this SDS.