

# SAFETY DATA SHEET

Issuing Date 22-Jan-2019

Revision date 22-Jan-2019

Revision Number 1

## 1. Identification

### Product identifier

**Product Name** NYCAST® 6PA CP 6/12; NYCAST® 6PA FG; NYCAST® 6PA MoS2; NYCAST® 6PA NYLOIL®; NYCAST® 6PA MP; NYCAST® 6PA; NYCAST® 6PA XHA

### Other means of identification

**Product Code(s)** CPBK; CPBL; CPYW; FGBK; FGBL; FGGY; GXGY; MDGY; NYBL; OMBL; P2BK; P2BL; P2OR; P2RD; P2YW; P4BL; P4YW; PVPU; SDBK; SDBL; SDGF; SDOR; SDRD; SDYW; XHBK; XHBL; XHNA; XHNG; XHRD

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended use** Industrial

**Restrictions on use** No information available

### Details of the supplier of the safety data sheet

#### Supplier Address

Cast Nylons Limited  
4300 Hamann Parkway  
Willoughby, OH 44094  
T: 440-269-2300

### Emergency telephone number

**Emergency Telephone** 440-269-2300

## 2. Hazard(s) identification

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                                                  |             |
|--------------------------------------------------|-------------|
| Acute toxicity - Oral                            | Category 4  |
| Acute toxicity - Dermal                          | Category 4  |
| Acute toxicity - Inhalation (Dusts/Mists)        | Category 4  |
| Skin corrosion/irritation                        | Category 2  |
| Serious eye damage/eye irritation                | Category 2A |
| Carcinogenicity                                  | Category 1A |
| Reproductive toxicity                            | Category 1B |
| Specific target organ toxicity (single exposure) | Category 3  |

### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements

## Danger

### Hazard statements

Harmful if swallowed  
Harmful in contact with skin  
Harmful if inhaled  
Causes skin irritation  
Causes serious eye irritation  
May cause cancer  
May damage fertility or the unborn child  
May cause respiratory irritation



### Precautionary Statements - Prevention

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Wear protective gloves/protective clothing/eye protection/face protection  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area

### Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention  
Specific treatment (see supplemental first aid instructions on this label)  
Specific treatment (see supplemental first aid instructions on this label)  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
IF ON SKIN: Wash with plenty of water and soap  
Call a POISON CENTER or doctor if you feel unwell  
Take off contaminated clothing and wash it before reuse  
If skin irritation occurs: Get medical advice/attention  
IF INHALED: Remove person to fresh air and keep comfortable for breathing  
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell  
Rinse mouth

### Precautionary Statements - Storage

Store locked up  
Store in a well-ventilated place. Keep container tightly closed

### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

### Other information

Not applicable

**Unknown acute toxicity** 23.8257 % of the mixture consists of ingredient(s) of unknown toxicity  
8.8607 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
14.8357 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
23.8257 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

## 3. Composition/information on ingredients

#### Substance

Not applicable.

#### Mixture

| Chemical name                                        | CAS No     | Weight-% | Trade secret |
|------------------------------------------------------|------------|----------|--------------|
| .epsilon.-Caprolactam                                | 105-60-2   | 92-98    | *            |
| Methyl pyrrolidone                                   | 872-50-4   | 0-4      | *            |
| Petroleum distillates, hydrotreated heavy naphthenic | 64742-52-5 | <3       | *            |
| Molybdenum (IV) sulfide                              | 1317-33-5  | 0-<3     | *            |
| Carbon black                                         | 1333-86-4  | 0-<3     | *            |
| Titanium dioxide                                     | 13463-67-7 | 0-<3     | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## **4. First-aid measures**

### Description of first aid measures

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>                     | Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.                                                                                                                                                                                                                                                                                                   |
| <b>Inhalation</b>                         | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/attention. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately.                                                                                                                                 |
| <b>Eye contact</b>                        | IF IN EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.                                                                                                                   |
| <b>Skin contact</b>                       | IF ON SKIN: Wash off immediately with soap and plenty of water for at least 15 minutes. If symptoms persist, call a physician.                                                                                                                                                                                                                                                                                    |
| <b>Ingestion</b>                          | IF SWALLOWED: Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.                                                                                                                                                                                                                                  |
| <b>Self-protection of the first aider</b> | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. See section 8 for more information. Avoid breathing dust/fume/gas/mist/vapors/spray. |

### Most important symptoms and effects, both acute and delayed

|                 |                                                                        |
|-----------------|------------------------------------------------------------------------|
| <b>Symptoms</b> | Burning sensation. Coughing and/ or wheezing. Difficulty in breathing. |
|-----------------|------------------------------------------------------------------------|

### Indication of any immediate medical attention and special treatment needed

|                           |                        |
|---------------------------|------------------------|
| <b>Note to physicians</b> | Treat symptomatically. |
|---------------------------|------------------------|

## 5. Fire-fighting measures

|                                                       |                                                                                                                                    |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable Extinguishing Media</b>                   | Dry chemical, CO2, water spray or regular foam.                                                                                    |
| <b>Unsuitable extinguishing media</b>                 | None known.                                                                                                                        |
| <b>Specific hazards arising from the chemical</b>     | Thermal decomposition can lead to release of irritating gases and vapors.                                                          |
| <b>Hazardous combustion products</b>                  | Carbon oxides. Nitrogen oxides (NOx). Hydrogen cyanide.                                                                            |
| <b>Explosion data</b>                                 |                                                                                                                                    |
| <b>Sensitivity to mechanical impact</b>               | None.                                                                                                                              |
| <b>Sensitivity to static discharge</b>                | None.                                                                                                                              |
| <b>Special protective equipment for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

|                             |                                                                                                                                                                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b> | Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid generation of dust. Do not breathe dust. |
| <b>Other information</b>    | Refer to protective measures listed in Sections 7 and 8.                                                                                                                                                                                                |

### Methods and material for containment and cleaning up

|                                |                                                       |
|--------------------------------|-------------------------------------------------------|
| <b>Methods for containment</b> | Prevent further leakage or spillage if safe to do so. |
| <b>Methods for cleaning up</b> | Pick up and transfer to properly labeled containers.  |

## 7. Handling and storage

### Precautions for safe handling

|                                |                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Advice on safe handling</b> | Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Take off contaminated clothing and wash before reuse. Avoid breathing vapors or mists. In case of insufficient ventilation, wear suitable respiratory equipment. |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Conditions for safe storage, including any incompatibilities

|                           |                                                                                                                 |
|---------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Storage Conditions</b> | Keep in a dry place. Keep away from Incompatible materials. Keep out of the reach of children. Store locked up. |
|---------------------------|-----------------------------------------------------------------------------------------------------------------|

## 8. Exposure controls/personal protection

## Control parameters

### Exposure Limits

The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

| Chemical name                        | ACGIH TLV                                                                                                                    | OSHA PEL                                                                                                                                                                                                                                           | NIOSH IDLH                                                                                                                                                                          |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| .epsilon.-Caprolactam<br>105-60-2    | TWA: 5 mg/m <sup>3</sup> inhalable<br>fraction and vapor                                                                     | (vacated) TWA: 1 mg/m <sup>3</sup> dust<br>(vacated) TWA: 5 ppm vapor<br>(vacated) TWA: 20 mg/m <sup>3</sup><br>vapor<br>(vacated) STEL: 3 mg/m <sup>3</sup> dust<br>(vacated) STEL: 10 ppm vapor<br>(vacated) STEL: 40 mg/m <sup>3</sup><br>vapor | TWA: 1 mg/m <sup>3</sup> dust<br>TWA: 0.22 ppm vapor<br>TWA: 1 mg/m <sup>3</sup> vapor<br>STEL: 3 mg/m <sup>3</sup> dust<br>STEL: 0.66 ppm vapor<br>STEL: 3 mg/m <sup>3</sup> vapor |
| Molybdenum (IV) sulfide<br>1317-33-5 | TWA: 10 mg/m <sup>3</sup> Mo inhalable<br>particulate matter<br>TWA: 3 mg/m <sup>3</sup> Mo respirable<br>particulate matter | TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 10 mg/m <sup>3</sup> Mo                                                                                                                                                                     | IDLH: 5000 mg/m <sup>3</sup> Mo                                                                                                                                                     |
| Carbon black<br>1333-86-4            | TWA: 3 mg/m <sup>3</sup> inhalable<br>particulate matter                                                                     | TWA: 3.5 mg/m <sup>3</sup><br>(vacated) TWA: 3.5 mg/m <sup>3</sup>                                                                                                                                                                                 | IDLH: 1750 mg/m <sup>3</sup><br>TWA: 3.5 mg/m <sup>3</sup><br>TWA: 0.1 mg/m <sup>3</sup> Carbon black<br>in presence of Polycyclic<br>aromatic hydrocarbons PAH                     |
| Titanium dioxide<br>13463-67-7       | TWA: 10 mg/m <sup>3</sup>                                                                                                    | TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 10 mg/m <sup>3</sup> total<br>dust                                                                                                                                                          | IDLH: 5000 mg/m <sup>3</sup><br>TWA: 2.4 mg/m <sup>3</sup> CIB 63 fine<br>TWA: 0.3 mg/m <sup>3</sup> CIB 63<br>ultrafine, including engineered<br>nanoscale                         |

## Appropriate engineering controls

### Engineering controls

Showers  
Eyewash stations  
Ventilation systems.

## Individual protection measures, such as personal protective equipment

### Eye/face protection

Wear safety glasses with side shields (or goggles).

### Hand protection

Wear suitable gloves. Impervious gloves.

### Skin and body protection

Wear suitable protective clothing. Long sleeved clothing.

### Respiratory protection

If respirable dusts are generated, respiratory protection may be needed.

### General hygiene considerations

Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Avoid breathing dust/fume/gas/mist/vapors/spray.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

|                |                    |
|----------------|--------------------|
| Appearance     | Solid (compressed) |
| Physical state | Solid              |

|                                        |                             |                         |
|----------------------------------------|-----------------------------|-------------------------|
| Color                                  | Natural color               |                         |
| Odor                                   | None                        |                         |
| Odor threshold                         | No information available    |                         |
| <b>Property</b>                        | <b>Values</b>               | <b>Remarks • Method</b> |
| pH                                     | No data available           | None known              |
| Melting point / freezing point         | 210 - 238 °C / 410 - 460 °F |                         |
| Boiling point / boiling range          | No data available           | None known              |
| Flash point                            | No data available           | None known              |
| Evaporation rate                       | No data available           | None known              |
| Flammability (solid, gas)              | No data available           | None known              |
| Flammability Limit in Air              |                             | None known              |
| Upper flammability or explosive limits | No data available           |                         |
| Lower flammability or explosive limits | No data available           |                         |
| Vapor pressure                         | No data available           | None known              |
| Vapor density                          | No data available           | None known              |
| Relative density                       | 1.15 - 1.17                 |                         |
| Water solubility                       | Insoluble                   |                         |
| Solubility(ies)                        | Soluble in: solvent         |                         |
| Partition coefficient                  | No data available           | None known              |
| Autoignition temperature               | No data available           | None known              |
| Decomposition temperature              | No data available           | None known              |
| Kinematic viscosity                    | No data available           | None known              |
| Dynamic viscosity                      | No data available           | None known              |
| <b>Other information</b>               |                             |                         |
| Explosive properties                   | No information available.   |                         |
| Oxidizing properties                   | No information available.   |                         |
| Softening point                        | No information available    |                         |
| Molecular weight                       | No information available    |                         |
| VOC Content (%)                        | No information available    |                         |
| Liquid Density                         | No information available    |                         |
| Bulk density                           | No information available    |                         |

## 10. Stability and reactivity

|                                    |                                                         |
|------------------------------------|---------------------------------------------------------|
| Reactivity                         | No information available.                               |
| Chemical stability                 | Stable under normal conditions.                         |
| Possibility of hazardous reactions | None under normal processing.                           |
| Conditions to avoid                | Temperatures above 210 °C / 410 °F.                     |
| Incompatible materials             | Strong acids. Strong oxidizing agents.                  |
| Hazardous decomposition products   | Carbon oxides. Nitrogen oxides (NOx). Hydrogen cyanide. |

## 11. Toxicological information

### Information on likely routes of exposure

#### Product Information

##### Inhalation

Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. Harmful by inhalation. (based on components).

|                     |                                                                                                                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. Irritating to eyes. Causes serious eye irritation. (based on components).                                                    |
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).                                                                               |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed. (based on components). |

#### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Redness. May cause redness and tearing of the eyes. Coughing and/ or wheezing.

#### Acute toxicity

#### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

|                                      |                |
|--------------------------------------|----------------|
| <b>ATEmix (oral)</b>                 | 1,197.40 mg/kg |
| <b>ATEmix (dermal)</b>               | 1,222.60 mg/kg |
| <b>ATEmix (inhalation-dust/mist)</b> | 1.16 mg/l      |

**Unknown acute toxicity** 23.8257 % of the mixture consists of ingredient(s) of unknown toxicity

8.8607 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

14.8357 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

23.8257 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

#### Component Information

| Chemical name                                                         | Oral LD50             | Dermal LD50                                        | Inhalation LC50          |
|-----------------------------------------------------------------------|-----------------------|----------------------------------------------------|--------------------------|
| .epsilon.-Caprolactam<br>105-60-2                                     | = 1210 mg/kg ( Rat )  | = 1438 mg/kg ( Rabbit ) = 1410<br>µL/kg ( Rabbit ) | = 8.16 mg/L ( Rat ) 4 h  |
| Methyl pyrrolidone<br>872-50-4                                        | = 3914 mg/kg ( Rat )  | = 8 g/kg ( Rabbit )                                | > 5.1 mg/L ( Rat ) 4 h   |
| Petroleum distillates,<br>hydrotreated heavy naphthenic<br>64742-52-5 | > 5000 mg/kg ( Rat )  | > 2000 mg/kg ( Rabbit )                            | -                        |
| Molybdenum (IV) sulfide<br>1317-33-5                                  | -                     | -                                                  | > 2820 mg/m³ ( Rat ) 4 h |
| Carbon black<br>1333-86-4                                             | > 15400 mg/kg ( Rat ) | > 3 g/kg ( Rabbit )                                | -                        |
| Titanium dioxide<br>13463-67-7                                        | > 10000 mg/kg ( Rat ) | -                                                  | -                        |

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|                                          |                                                                                                                     |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Skin corrosion/irritation</b>         | Classification based on data available for ingredients. Irritating to skin.                                         |
| <b>Serious eye damage/eye irritation</b> | Classification based on data available for ingredients. Causes serious eye irritation.                              |
| <b>Respiratory or skin sensitization</b> | No information available.                                                                                           |
| <b>Germ cell mutagenicity</b>            | No information available.                                                                                           |
| <b>Carcinogenicity</b>                   | Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer. |

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name                                                   | ACGIH | IARC     | NTP   | OSHA |
|-----------------------------------------------------------------|-------|----------|-------|------|
| Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5 | A2    | Group 1  | Known | X    |
| Carbon black 1333-86-4                                          | A3    | Group 2B | -     | X    |
| Titanium dioxide 13463-67-7                                     | -     | Group 2B | -     | X    |

#### Legend

##### ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

##### IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

##### NTP (National Toxicology Program)

Known - Known Carcinogen

##### OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

|                                 |                                                                                                                                |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Reproductive toxicity</b>    | Classification based on data available for ingredients. May damage fertility or the unborn child.                              |
| <b>STOT - single exposure</b>   | May cause respiratory irritation.                                                                                              |
| <b>STOT - repeated exposure</b> | No information available.                                                                                                      |
| <b>Target organ effects</b>     | liver, kidney, Respiratory system, Eyes, Skin, Central nervous system, Central Vascular System (CVS), Lungs, Lymphatic System. |
| <b>Aspiration hazard</b>        | No information available.                                                                                                      |
| <b>Other adverse effects</b>    | No information available.                                                                                                      |
| <b>Interactive effects</b>      | No information available.                                                                                                      |

## 12. Ecological information

|                    |                                                                           |
|--------------------|---------------------------------------------------------------------------|
| <b>Ecotoxicity</b> | The environmental impact of this product has not been fully investigated. |
|--------------------|---------------------------------------------------------------------------|

| Chemical name                  | Algae/aquatic plants                                                                                                                                     | Fish                                                                                                  | Toxicity to microorganisms | Crustacea                                                                            |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------|
| .epsilon.-Caprolactam 105-60-2 | EC50: 4320 - 4800mg/L (72h, Pseudokirchneriella subcapitata) EC50: =160mg/L (96h, Desmodesmus subspicatus) EC50: =130mg/L (72h, Desmodesmus subspicatus) | LC50: =1400mg/L (96h, Pimephales promelas) LC50: =930mg/L (96h, Lepomis macrochirus)                  | -                          | EC50: >500mg/L (48h, Daphnia magna Straus) EC50: 828 - 2920mg/L (48h, Daphnia magna) |
| Methyl pyrrolidone 872-50-4    | EC50: >500mg/L (72h, Desmodesmus subspicatus)                                                                                                            | LC50: =4000mg/L (96h, Leuciscus idus) LC50: =1400mg/L (96h, Poecilia reticulata) LC50: =832mg/L (96h, | -                          | EC50: =4897mg/L (48h, Daphnia magna)                                                 |

|                                                                       |   |                                                                       |   |                                         |
|-----------------------------------------------------------------------|---|-----------------------------------------------------------------------|---|-----------------------------------------|
|                                                                       |   | Lepomis macrochirus)<br>LC50: =1072mg/L (96h,<br>Pimephales promelas) |   |                                         |
| Petroleum distillates,<br>hydrotreated heavy naphthenic<br>64742-52-5 | - | LC50: >5000mg/L (96h,<br>Oncorhynchus mykiss)                         | - | EC50: >1000mg/L (48h,<br>Daphnia magna) |
| Carbon black<br>1333-86-4                                             | - | -                                                                     | - | EC50: >5600mg/L (24h,<br>Daphnia magna) |

**Persistence and degradability** No information available.

**Bioaccumulation** There is no data for this product.

#### Component Information

| Chemical name                     | Partition coefficient |
|-----------------------------------|-----------------------|
| .epsilon.-Caprolactam<br>105-60-2 | -0.02                 |
| Methyl pyrrolidone<br>872-50-4    | -0.46                 |

**Other adverse effects** No information available.

### 13. Disposal considerations

#### Waste treatment methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

**US EPA Waste Number** U108

### 14. Transport information

**DOT** Not regulated

**TDG** Not regulated

**MEX** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

### 15. Regulatory information

#### International Inventories

**TSCA** Contact supplier for inventory compliance status.

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Chemical name                 | SARA 313 - Threshold Values % |
|-------------------------------|-------------------------------|
| Methyl pyrrolidone - 872-50-4 | 1.0                           |

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:.

| Chemical name                 | California Proposition 65 |
|-------------------------------|---------------------------|
| Methyl pyrrolidone - 872-50-4 | Developmental             |
| Carbon black - 1333-86-4      | Carcinogen                |
| Titanium dioxide - 13463-67-7 | Carcinogen                |
| 1,4-Dioxane - 123-91-1        | Carcinogen                |

**U.S. State Right-to-Know Regulations**

**US State Regulations**

| Chemical name                        | New Jersey | Massachusetts | Pennsylvania |
|--------------------------------------|------------|---------------|--------------|
| .epsilon.-Caprolactam<br>105-60-2    | X          | X             | X            |
| Methyl pyrrolidone<br>872-50-4       | X          | X             | X            |
| Molybdenum (IV) sulfide<br>1317-33-5 | -          | X             | -            |
| Carbon black<br>1333-86-4            | X          | X             | X            |
| Titanium dioxide<br>13463-67-7       | X          | X             | X            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

## 16. Other information

|                                   |                          |                                  |                           |                                           |
|-----------------------------------|--------------------------|----------------------------------|---------------------------|-------------------------------------------|
| <b>NFPA</b>                       | <b>Health hazards</b> 2  | <b>Flammability</b> 0            | <b>Instability</b> 0      | <b>Physical and chemical properties</b> - |
| <b>HMIS</b>                       | <b>Health hazards</b> 2* | <b>Flammability</b> 0            | <b>Physical hazards</b> 0 | <b>Personal protection</b> X              |
| <i>Chronic Hazard Star Legend</i> |                          | <i>* = Chronic Health Hazard</i> |                           |                                           |

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### **Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |

#### **Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGl(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
RTECS (Registry of Toxic Effects of Chemical Substances)  
World Health Organization

**Issuing Date** 22-Jan-2019

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**Revision Note** Initial Release.

#### **Disclaimer**

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**End of Safety Data Sheet**