

Issuing Date 16-Oct-2019

Revision Date 19-Oct-2021

Revision Number 2

## 1. Identification

### Product identifier

**Product Name** Easy Elegance™ Ceiling Panels & Planks by Armstrong

### Other means of identification

**Synonyms** None

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

**Recommended use** Ceilings

**Restrictions on use** No information available

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

#### Initial supplier identifier

Armstrong World Industries  
255 Montpellier Blvd  
St. Laurent, Quebec  
Canada H4N 2G3  
Tel: 877-276-7876  
techline@armstrongceilings.com

### Emergency telephone number

**Emergency telephone** 1-800-255-3924 (ChemTel)

## 2. Hazard(s) identification

### Classification

|                 |            |
|-----------------|------------|
| Carcinogenicity | Category 2 |
|-----------------|------------|

### Label elements

#### **Warning**

#### **Hazard statements**

Suspected of causing cancer.



**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 and face protection.

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention.

**Precautionary Statements - Storage**

Store locked up.

**Precautionary Statements - Disposal**

Dispose of contents and container to an approved waste disposal plant.

**Other information**

No information available.

**3. Composition/information on ingredients****Substance**

Not applicable.

**Mixture**

| Chemical name      | CAS No     | Weight-% | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|--------------------|------------|----------|------------------------------------------------------------------------------|-------------------------------------------------------------|
| Polyvinyl chloride | 9002-86-2  | 45-70    | -                                                                            | -                                                           |
| Calcium carbonate  | 471-34-1   | 10-30    | -                                                                            | -                                                           |
| Aluminum hydroxide | 21645-51-2 | 10-30    | -                                                                            | -                                                           |
| Carbon black       | 1333-86-4  | 0-5      | *                                                                            | -                                                           |
| Titanium dioxide   | 13463-67-7 | 1-5      | -                                                                            | -                                                           |
| Calcium stearate   | 1592-23-0  | 1-5      | -                                                                            | -                                                           |
| Zinc stearate      | 557-05-1   | 0.1-1    | -                                                                            | -                                                           |
| Sodium carbonate   | 497-19-8   | 0.1-1    | -                                                                            | -                                                           |

**4. First-aid measures****Description of first aid measures****General advice**

IF exposed or concerned: Get medical advice/attention.

**Inhalation**

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

**Eye contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.

**Skin contact**

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if symptoms occur.

**Ingestion**

Not an expected route of exposure.

**Most important symptoms and effects, both acute and delayed****Symptoms**

None known.

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

Note to physicians Treat symptomatically.

## 5. Fire-fighting measures

|                                                                |                                                                                                                                    |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Extinguishing Media                                   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                            |
| Unsuitable extinguishing media                                 | None known.                                                                                                                        |
| Specific hazards arising from the chemical                     | Avoid generation of dust. Fine dust dispersed in air may ignite. Emits toxic fumes under fire conditions.                          |
| Hazardous combustion products                                  | Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Hydrogen chloride.                                                             |
| Explosion data                                                 |                                                                                                                                    |
| Sensitivity to mechanical impact                               | None.                                                                                                                              |
| Sensitivity to static discharge                                | None.                                                                                                                              |
| Special protective equipment and precautions for fire-fighters | 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

|                      |                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions | Use personal protective equipment as required. Do not breathe dust. Ensure adequate ventilation. Remove all sources of ignition. Minimize dust generation and accumulation. |
| Other information    | Refer to protective measures listed in Sections 7 and 8.                                                                                                                    |

### Methods and material for containment and cleaning up

|                         |                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Methods for containment | Not applicable.                                                                                                                                                                                                   |
| Methods for cleaning up | Use personal protective equipment as required. Clean contaminated surface thoroughly. Use industrial vacuum cleaner with high efficiency filter. Avoid dry sweeping. Transfer to labeled containers for disposal. |

## 7. Handling and storage

### Precautions for safe handling

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on safe handling | Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection equipment. Avoid generation of dust. Do not breathe dust. Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Take precautionary measures against static discharges. Use only with adequate ventilation. Remove all sources of ignition. |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Conditions for safe storage, including any incompatibilities

|                    |                                                                                          |
|--------------------|------------------------------------------------------------------------------------------|
| Storage Conditions | Keep dry and in packaging until installation, to avoid dust generation. Store locked up. |
|--------------------|------------------------------------------------------------------------------------------|

## 8. Exposure controls/personal protection

### Control parameters

#### Exposure Limits

| Chemical name      | ACGIH TLV                           | OSHA PEL | NIOSH |
|--------------------|-------------------------------------|----------|-------|
| Polyvinyl chloride | TWA: 1 mg/m <sup>3</sup> respirable | -        | -     |

|                                  |                                                                                                                                                                        |                                                                        |                                                                                                                                                           |                                                                                                                             |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 9002-86-2                        | particulate matter                                                                                                                                                     |                                                                        |                                                                                                                                                           |                                                                                                                             |
| Calcium carbonate<br>471-34-1    | -                                                                                                                                                                      |                                                                        | -                                                                                                                                                         | TWA: 10 mg/m³ total dust<br>TWA: 5 mg/m³ respirable dust                                                                    |
| Aluminum hydroxide<br>21645-51-2 | TWA: 1 mg/m³ respirable<br>particulate matter                                                                                                                          |                                                                        | -                                                                                                                                                         | -                                                                                                                           |
| Carbon black<br>1333-86-4        | TWA: 3 mg/m³ inhalable<br>particulate matter                                                                                                                           |                                                                        | TWA: 3.5 mg/m³<br>(vacated) TWA: 3.5 mg/m³                                                                                                                | IDLH: 1750 mg/m³<br>TWA: 3.5 mg/m³<br>TWA: 0.1 mg/m³ Carbon black<br>in presence of Polycyclic<br>aromatic hydrocarbons PAH |
| Titanium dioxide<br>13463-67-7   | TWA: 10 mg/m³                                                                                                                                                          |                                                                        | TWA: 15 mg/m³ total dust                                                                                                                                  | IDLH: 5000 mg/m³<br>TWA: 2.4 mg/m³ CIB 63 fine<br>TWA: 0.3 mg/m³ CIB 63<br>ultrafine, including engineered<br>nanoscale     |
| Calcium stearate<br>1592-23-0    | TWA: 10 mg/m³ inhalable<br>particulate matter except<br>stearates of toxic metals<br>TWA: 3 mg/m³ respirable<br>particulate matter except<br>stearates of toxic metals |                                                                        | -                                                                                                                                                         | -                                                                                                                           |
| Zinc stearate<br>557-05-1        | TWA: 10 mg/m³ inhalable<br>particulate matter<br>TWA: 3 mg/m³ respirable<br>particulate matter                                                                         |                                                                        | TWA: 15 mg/m³ total dust<br>TWA: 5 mg/m³ respirable<br>fraction<br>(vacated) TWA: 10 mg/m³ total<br>dust<br>(vacated) TWA: 5 mg/m³<br>respirable fraction | TWA: 10 mg/m³ total dust<br>TWA: 5 mg/m³ respirable dust                                                                    |
| Chemical name                    | Alberta                                                                                                                                                                | British Columbia                                                       | Ontario                                                                                                                                                   | Quebec                                                                                                                      |
| Polyvinyl chloride<br>9002-86-2  | -                                                                                                                                                                      | TWA: 1 mg/m³                                                           | TWA: 1 mg/m³                                                                                                                                              | -                                                                                                                           |
| Calcium carbonate<br>471-34-1    | TWA: 10 mg/m³                                                                                                                                                          | -                                                                      | -                                                                                                                                                         | TWA: 10 mg/m³                                                                                                               |
| Aluminum hydroxide<br>21645-51-2 | -                                                                                                                                                                      | TWA: 1.0 mg/m³                                                         | TWA: 1 mg/m³                                                                                                                                              | -                                                                                                                           |
| Carbon black<br>1333-86-4        | TWA: 3.5 mg/m³                                                                                                                                                         | TWA: 3 mg/m³                                                           | TWA: 3 mg/m³                                                                                                                                              | TWA: 3 mg/m³                                                                                                                |
| Titanium dioxide<br>13463-67-7   | TWA: 10 mg/m³                                                                                                                                                          | TWA: 10 mg/m³ (total<br>dust)<br>TWA: 3 mg/m³<br>(respirable fraction) | TWA: 10 mg/m³                                                                                                                                             | TWA: 10 mg/m³                                                                                                               |
| Calcium stearate<br>1592-23-0    | TWA: 10 mg/m³                                                                                                                                                          | -                                                                      | TWA: 10 mg/m³<br>TWA: 3 mg/m³                                                                                                                             | -                                                                                                                           |
| Zinc stearate<br>557-05-1        | TWA: 10 mg/m³                                                                                                                                                          | TWA: 10 mg/m³<br>TWA: 3 mg/m³                                          | TWA: 10 mg/m³<br>TWA: 3 mg/m³                                                                                                                             | TWA: 10 mg/m³                                                                                                               |

**Appropriate engineering controls****Engineering controls**

Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Goggles.

**Hand protection**

Wear suitable gloves.

**Skin and body protection**

Wear suitable protective clothing.

|                                       |                                                                                                                                                                          |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Respiratory protection</b>         | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |
| <b>General hygiene considerations</b> | Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.                                                 |

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

|                   |                          |
|-------------------|--------------------------|
| <b>Appearance</b> |                          |
| Physical state    | Solid                    |
| Color             | Varies                   |
| Odor              | None                     |
| Odor threshold    | No information available |

| <u>Property</u>                         | <u>Values</u>         | <u>Remarks • Method</u> |
|-----------------------------------------|-----------------------|-------------------------|
| pH                                      |                       | No data available       |
| Melting point / freezing point          |                       |                         |
| Initial boiling point and boiling range |                       | No data available       |
| Flash point                             |                       | No data available       |
| Evaporation rate                        |                       | No data available       |
| Flammability                            |                       | No data available       |
| Flammability Limit in Air               |                       |                         |
| Upper flammability or explosive limits  |                       | No data available       |
| Lower flammability or explosive limits  |                       | No data available       |
| Vapor pressure                          |                       | No data available       |
| Vapor density                           |                       | No data available       |
| Relative density                        | 0.5 g/cm <sup>3</sup> |                         |
| Water solubility                        | Insoluble             |                         |
| Solubility(ies)                         |                       | No data available       |
| Partition coefficient                   |                       | No data available       |
| Autoignition temperature                |                       | No data available       |
| Decomposition temperature               |                       | No data available       |
| Kinematic viscosity                     |                       | No data available       |
| Dynamic viscosity                       |                       | No data available       |

### Other information

|                      |                           |
|----------------------|---------------------------|
| 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

|                                           |                                                                        |
|-------------------------------------------|------------------------------------------------------------------------|
| <b>Reactivity</b>                         | None under normal use conditions.                                      |
| <b>Chemical stability</b>                 | Stable under normal conditions.                                        |
| <b>Possibility of hazardous reactions</b> | None under normal processing.                                          |
| <b>Conditions to avoid</b>                | None known based on information supplied.                              |
| <b>Incompatible materials</b>             | None known based on information supplied.                              |
| <b>Hazardous decomposition products</b>   | Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Hydrogen chloride. |

## 11. Toxicological information

### Information on likely routes of exposure

#### Product Information

|                     |                                                                                                                                                        |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available. Inhalation of dust in high concentration may cause irritation of respiratory system. |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. Dust contact with the eyes can lead to mechanical irritation.                        |
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available. Contact with dust can cause mechanical irritation or drying of the skin.             |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available.                                                                                      |

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

|                 |             |
|-----------------|-------------|
| <b>Symptoms</b> | None known. |
|-----------------|-------------|

### Acute toxicity

#### Numerical measures of toxicity

No information available

| Chemical name      | Oral LD50             | Dermal LD50             | Inhalation LC50                      |
|--------------------|-----------------------|-------------------------|--------------------------------------|
| Calcium carbonate  | = 6450 mg/kg ( Rat )  | > 2000 mg/kg ( Rat )    | > 3 mg/L ( Rat ) 4 h                 |
| Aluminum hydroxide | > 5000 mg/kg ( Rat )  | -                       | -                                    |
| Carbon black       | > 15400 mg/kg ( Rat ) | -                       | > 4.6 mg/m <sup>3</sup> ( Rat ) 4 h  |
| Titanium dioxide   | > 10000 mg/kg ( Rat ) | -                       | = 5.09 mg/L ( Rat ) 4 h              |
| Calcium stearate   | > 10 g/kg ( Rat )     | > 2000 mg/kg ( Rat )    | -                                    |
| Zinc stearate      | > 10 g/kg ( Rat )     | > 2000 mg/kg ( Rabbit ) | > 200 mg/L ( Rat ) 1 h               |
| Sodium carbonate   | = 4090 mg/kg ( Rat )  | > 2000 mg/kg ( Rabbit ) | = 2300 mg/m <sup>3</sup> ( Rat ) 2 h |

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

|                                          |                                                                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin corrosion/irritation</b>         | No information available.                                                                                                      |
| <b>Serious eye damage/eye irritation</b> | No information available.                                                                                                      |
| <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. Suspected of causing cancer. |

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

| Chemical name      | ACGIH | IARC    | NTP | OSHA |
|--------------------|-------|---------|-----|------|
| Polyvinyl chloride | -     | Group 3 | -   | -    |

|                                |    |          |   |   |
|--------------------------------|----|----------|---|---|
| 9002-86-2                      |    |          |   |   |
| Carbon black<br>1333-86-4      | A3 | Group 2B | - | X |
| Titanium dioxide<br>13463-67-7 | -  | Group 2B | - | X |

**Legend****IARC (International Agency for Research on Cancer)**

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

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

X - Present

**Reproductive toxicity** No information available.**STOT - single exposure** No information available.**STOT - repeated exposure** No information available.**Aspiration hazard** No information available.**12. Ecological information****Ecotoxicity** The environmental impact of this product has not been fully investigated.

| Chemical name                | Algae/aquatic plants | Fish                                                                                         | Toxicity to microorganisms | Crustacea                           |
|------------------------------|----------------------|----------------------------------------------------------------------------------------------|----------------------------|-------------------------------------|
| Sodium carbonate<br>497-19-8 | -                    | LC50: 310 - 1220mg/L (96h, Pimephales promelas)<br>LC50: =300mg/L (96h, Lepomis macrochirus) | -                          | EC50: =265mg/L (48h, Daphnia magna) |

**Persistence and degradability** No information available.**Bioaccumulation** No information available.**Component Information**

| Chemical name             | Partition coefficient |
|---------------------------|-----------------------|
| Zinc stearate<br>557-05-1 | 1.2                   |

**Mobility in soil** No information available.**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.**14. Transport information****DOT** Not regulated

**TDG** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

## 15. Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### International Regulations

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

#### International Inventories

Contact supplier for inventory compliance status

| Chemical name | CAS No    | US TSCA Inventory listing | US TSCA inactive/active designation |
|---------------|-----------|---------------------------|-------------------------------------|
| Carbon black  | 1333-86-4 | Present                   | Active                              |

#### 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 % |
|--------------------------|-------------------------------|
| Zinc stearate - 557-05-1 | 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.

##### CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

| Chemical name             | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Zinc stearate<br>557-05-1 | -                           | X                      | -                         | -                          |

##### 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 |
|---------------|---------------------------|
|---------------|---------------------------|



|                               |            |
|-------------------------------|------------|
| Carbon black - 1333-86-4      | Carcinogen |
| Titanium dioxide - 13463-67-7 | Carcinogen |

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

This product does not contain any substances regulated under applicable state right-to-know regulations

| Chemical name                   | New Jersey | Massachusetts | Pennsylvania |
|---------------------------------|------------|---------------|--------------|
| Polyvinyl chloride<br>9002-86-2 | X          | -             | -            |
| Carbon black<br>1333-86-4       | X          | X             | X            |
| Titanium dioxide<br>13463-67-7  | X          | X             | X            |
| Zinc stearate<br>557-05-1       | X          | X             | X            |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. Other information**

|             |                          |                       |                           |                              |
|-------------|--------------------------|-----------------------|---------------------------|------------------------------|
| <b>NFPA</b> | <b>Health hazards</b> 1  | <b>Flammability</b> 0 | <b>Instability</b> 0      | <b>Special hazards</b> -     |
| <b>HMIS</b> | <b>Health hazards</b> 1* | <b>Flammability</b> 0 | <b>Physical hazards</b> 0 | <b>Personal protection</b> X |

**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  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 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  
 World Health Organization

**Issuing Date** 16-Oct-2019

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**Revision Note** Name change.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage,

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transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**